



# **UNIT CARGO LOADING AND DOCUMENTATION**

**UMODA05  
TBOLC 500-500-17  
MWOBC 882X1B06**

# References

- FM 3-35.4, *Deployment Fort-to-Port* ,Appendix I
- FM 4-01.011, *Unit Movement Operations* ,Appendix D,
- FM 55-30, *Army Motor Transport Units and Operations*, Chapter 10
- FORSCOM/ARNG Reg 55-1,*Unit Movement Planning*, Chapter 5
- TB 55-46-1, *Standard Characteristics for Transportability of Military Vehicles and Outsized/Overweight Equipment*
- TEA PAM 55-20, *Tiedown Handbook for Truck Movements*

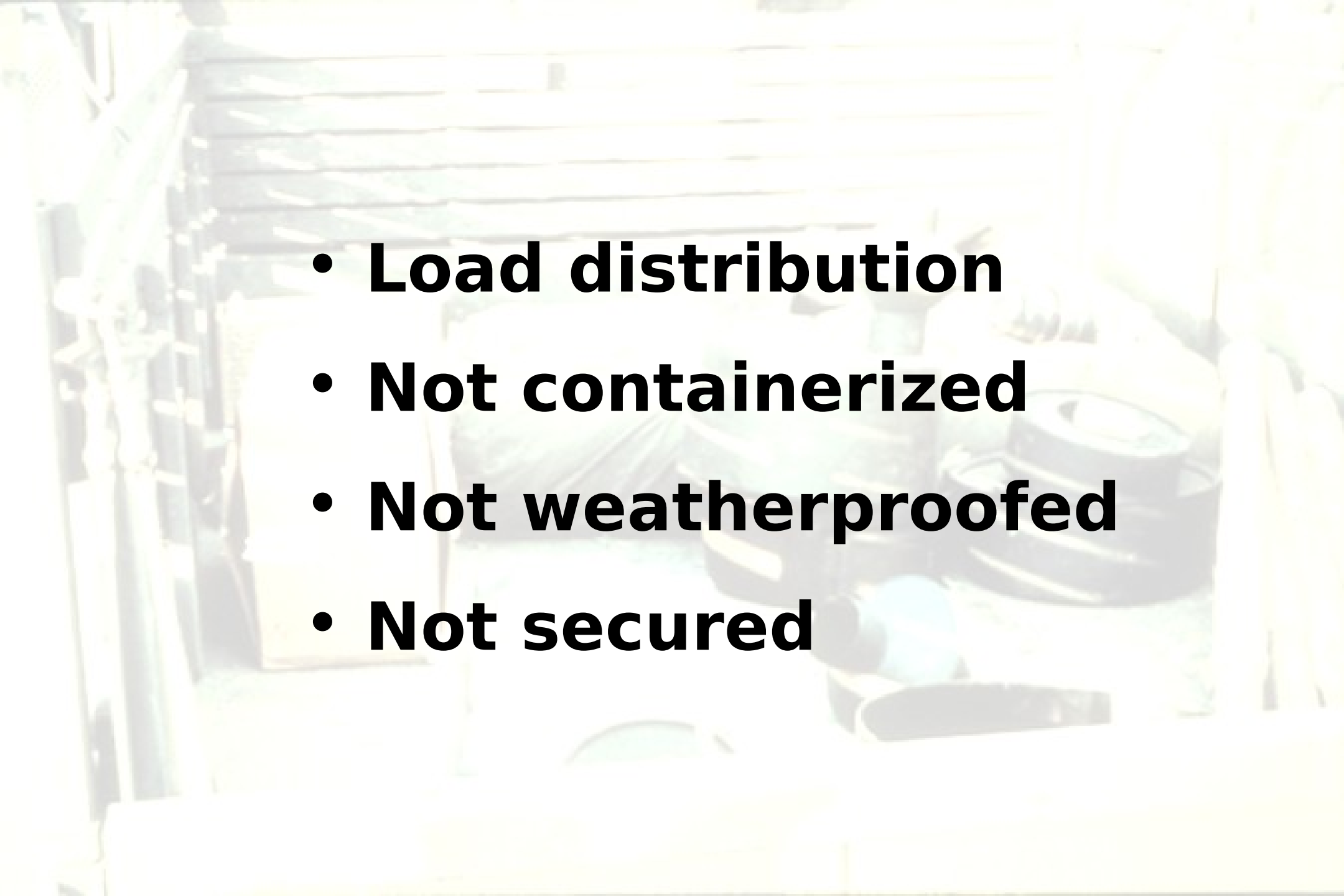
# Scope of Lesson

- **Load Plan Cycle**
  - **Planning the Load**
  - **Testing the Load**
  - **Inspecting the Load**
  - **Documenting the Load**







- 
- **Load distribution**
  - **Not containerized**
  - **Not weatherproofed**
  - **Not secured**



- 
- A photograph of a construction site. In the background, a large yellow excavator is visible, partially obscured by a large, light-colored canvas or tarp that is draped over its side. The tarp appears to be unsecured. In the foreground, a worker wearing a white hard hat and a light-colored shirt is standing on a metal structure, possibly a bridge or a set of tracks. The overall scene suggests a lack of proper safety or weatherproofing measures.
- **Not weatherproofed**
  - **Canvas/tarp not secured**



- 
- **Metal-to-metal contact**
  - **Improper storage of HAZMAT**



- 
- **Not secured**
  - **May cause injury to personnel**
  - **May cause damage to windshield**

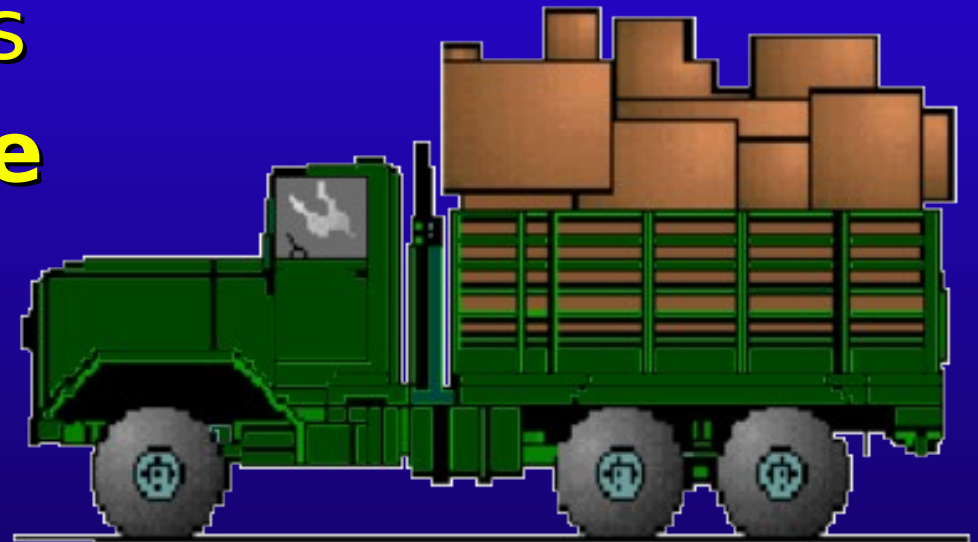
# Planning the Load

# Planning the Load

- Planning for packing & loading unit equipment is an important deployment preparation activity
  - Involves identifying actual space, weight, packaging material & external transport requirements
  - Proper planning saves valuable time when ordered to deploy

# Cube

- To determine how much space is needed, planners must **first determine** how much cargo needs to be moved
- The primary factor is **cubic feet of space required** for cargo shipments



# Cube (Cont)

- Determine Volume in cubic feet
  - Step 1: Take measurements of the length, width and height in inches
  - Step 2: Multiply length x width x height
  - Step 3: Divide the answer by 1728 to get volume in cubic feet (1728 inches in a cubic foot)

# Cube (Cont)

- A - Add cubic feet measurements of all cargo together to get the total cubic feet requirement
- B - Add cubic feet measurements of all cargo vehicles to get the total cubic feet of cargo carrying space available
- Subtract B from A to determine external cargo lift assets required, if any
- IT IS NEVER THAT SIMPLE!!!!!!!

## Cube (Cont)

- We do **add cubic foot** measurements of **all cargo** to get total cubic foot requirement
- Not all equipment comes in a rectangular shaped box
- Odd sized and heavy items require other considerations
- Maximize use of available space
- Usually will cube out before weigh out

# Weight

- Weight of most military cargo is marked on the package. Unmarked cargo must be weighed before loading
- Total shipment weight should equal the sum of the individual cargo weights
- **Weigh loaded** vehicle and record on AUEL
- **Dense cargo** can cause a vehicle's weight limit to be reached before the cargo space is filled

# Vehicle Data Plate

- ~~Axle weight capacity information~~ is located on the **vehicle data plate**
- 3 different **loading weights**:
  - Empty
  - Cross country
  - Highway vehicle weight

Maximum loaded vehicle weight should  
always be the cross country weight

# Vehicle Data Plate (Cont)

- Never exceed weight capacity of vehicle indicated on vehicle data plate

**WEIGHT & DIMENSION DATA**

CG WITH XXXXXX LB PAYLOAD COMPLETELY FILLING BODY

REDUCIBLE TO : XXXXX

SHIPPING CUBAGE XXXXX

WEIGHT	EMPTY	CROSS CTRY	HIGH WAY
PAY LOAD	XXXX	XXXXXX	XXXXXX
FRONT AXLE	XXXX	XXXX	XXXX
INTER AXLE	XXXX	XXXXXX	XXXXXX
REAR AXLE	XXXX	XXXXXX	XXXXXX
TOTAL LB	XXXX	XXXXXX	XXXXXX
MAX TOWED WEIGHT		XXXXXX	XXXXXX

ALL WEIGHTS LESS CREW

TRUCK, CARGO, 5 TON 6-6 M54 W  
FEDERAL STOCK NO. 2320-835-8335  
VEHICLE IDENT. NO.

MFG .BY

CONT. NO.

INSPECTED

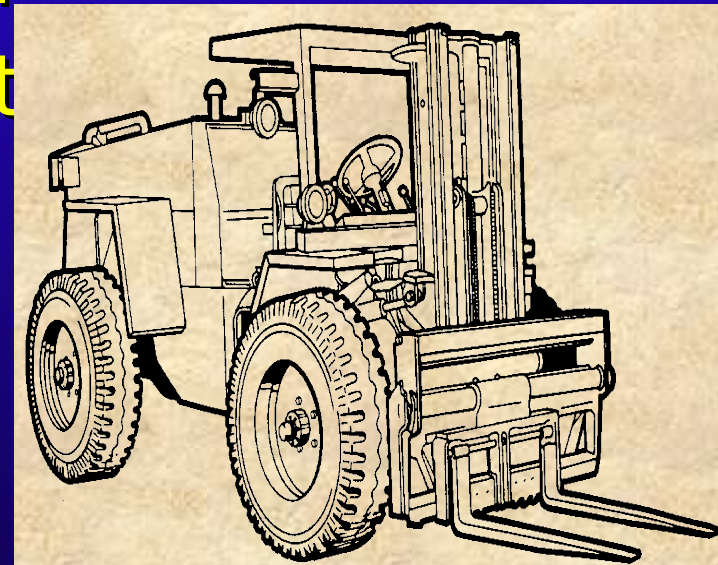
US PROPERTY

XXXXXXXX

- Always use cross country weight limits

# Material Handling Equipment

- Consider **capabilities** of available material handling equipment (MHE)
- Ensure MHE is **staged** along with required packing material prior to loading
- MHE capacity must be equal to or greater than the load
- Determine **external MHE requirements** (consider destination)





**MHE**

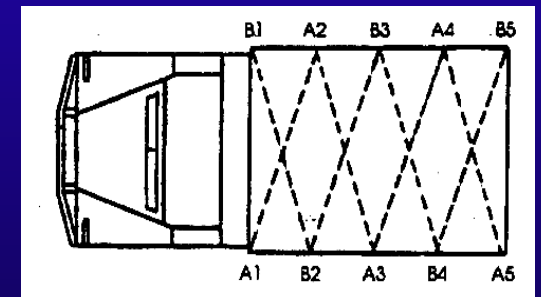
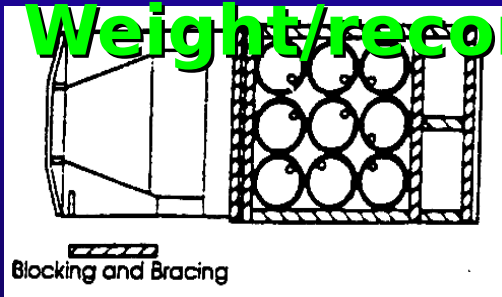
# Loading Considerations

- Consider likely **deployment configuration** for vehicles carrying secondary loads
- If deploying by rail, air or sea, then the secondary load **cannot exceed reduction dimensions**
- TB 55-46-1 provides base and reduced cargo body dimensions for vehicles

# Testing the Load

# STEP 6: Develop Vehicle Load Plans for Unit Equipment

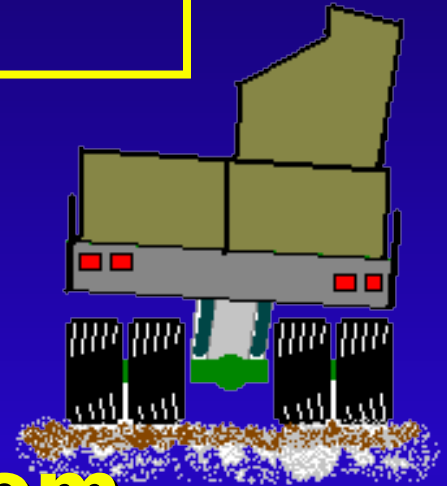
- Don't exceed **payload capacity**
- **Document** planned loads for organic vehicles and trailers carrying secondary loads (FORSCOM 285-R or DA 5748-R)
- Vehicles may have to be **reduced** according to mode of transportation and type of move
- Consider vehicle **modifications** (approved by SDDC TEA) and reflected in AUDEL/DEL or OEL/UDL
- **Test planned loads (every year for AC, every two years for RC)**
- **Weight/record planned loads**



# Balancing

## Considerations

- Balancing weight is important  
Unbalanced loads cause damage
- Rules of thumb on weight balance:
  - Load **heavy** cargo **on the bottom**
  - Distribute** heavy items evenly over vehicle bed
  - Check vehicle data plate for **maximum axle weights**



Ref: FM 55-30, Para 10-5b

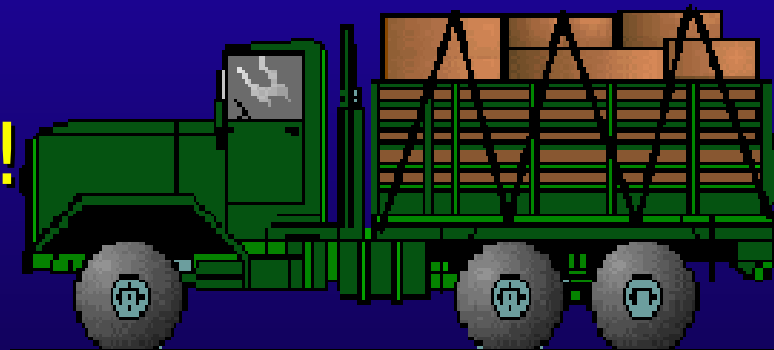
Checked for maximum axle weight?



# Load Considerations

- Pack cargo so it **doesn't shift** (use B & B)
- Keep load **as low as possible** in vehicle
- Consider **multi-stops** when loading
- Load items of **uniform** size and shape (where possible) for easier tie-down
- Use **boxes** and containers to move smaller items

LOAD SMART!!! LOAD SAFE!

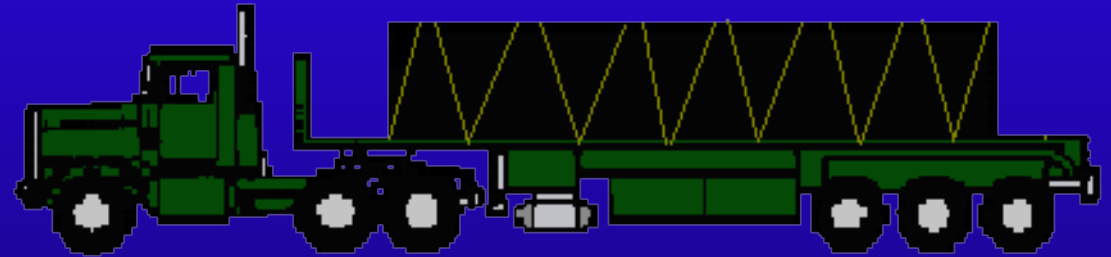


# Testing the Load - Loading Vehicles -

Select the right vehicle for the right job



Wrong



Right

**Ref: FM 55-30, Para  
10-5a**

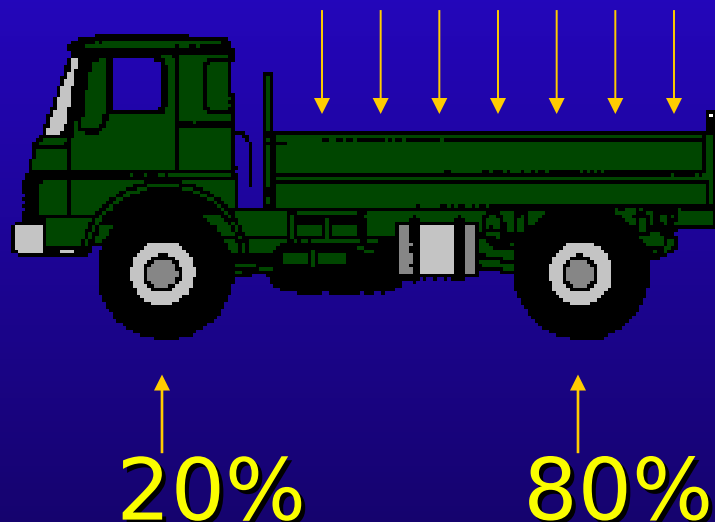
# Well balanced load? Right Vehicle for the Right Job



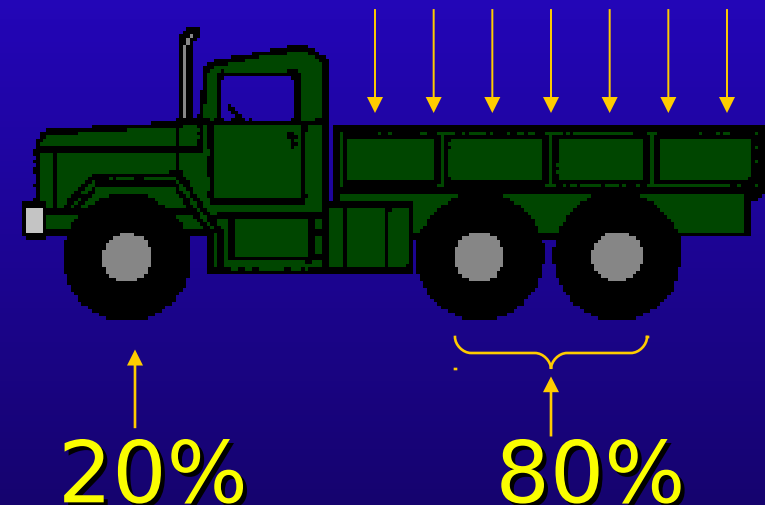
# Load Placement in Trucks & Semitrailers (Cont)

- Tires, axles & frame are designed to carry a load distributed as shown

COE Truck

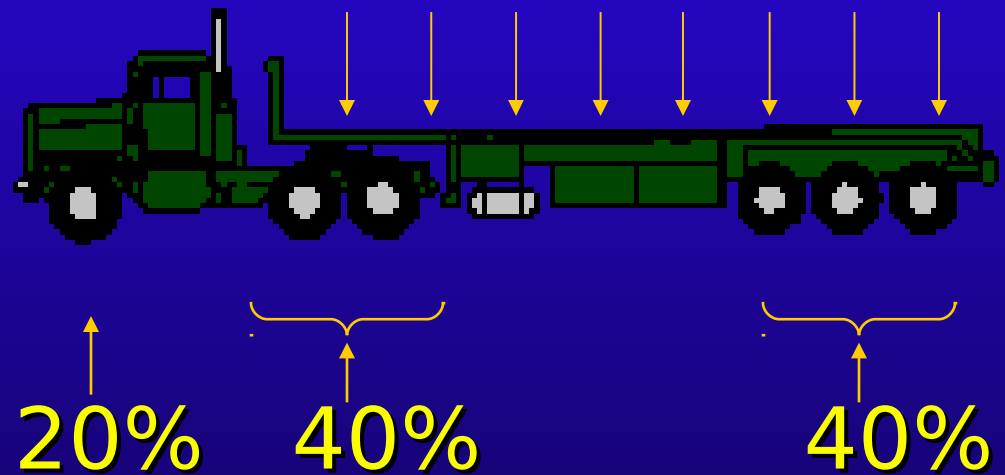
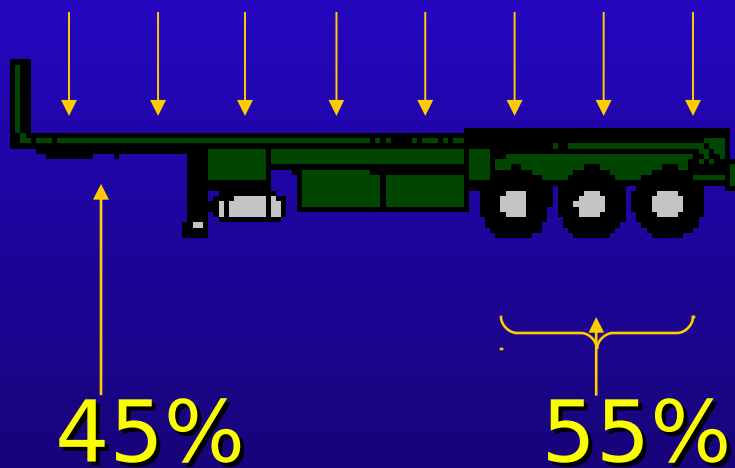


Conventional Truck

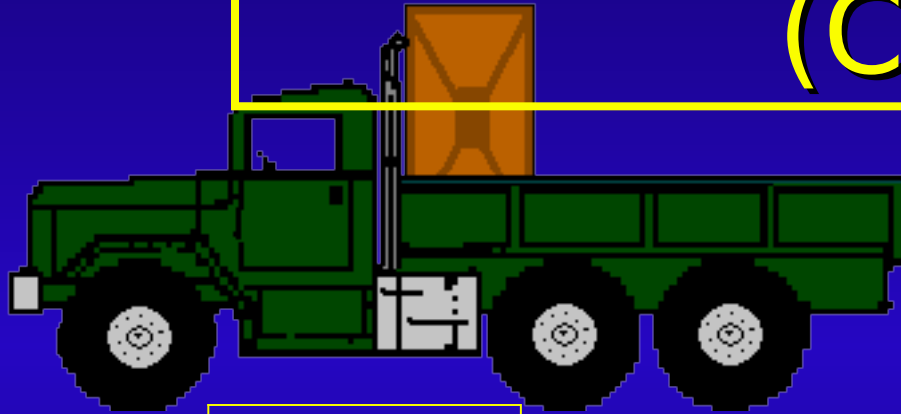


# Load Placement in Trucks & Semitrailers (Cont)

- Distribute trailer loads equally between the rear tires & the fifth wheel to ensure load transfers to the tractor

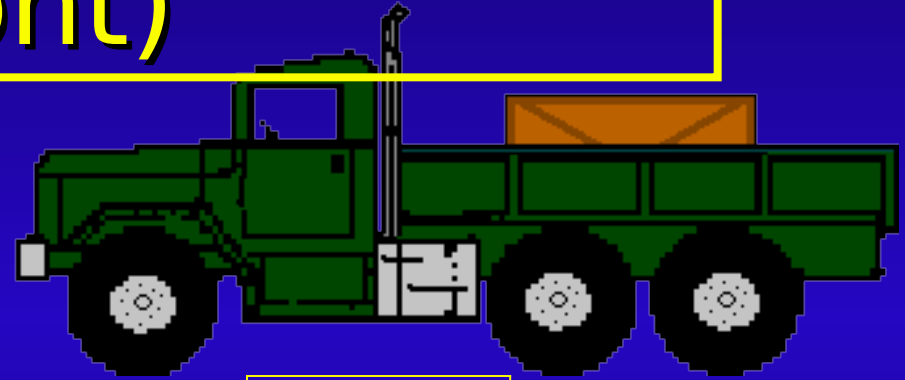


# Load Placement in Trucks & Semitrailers (Cont)



Wrong

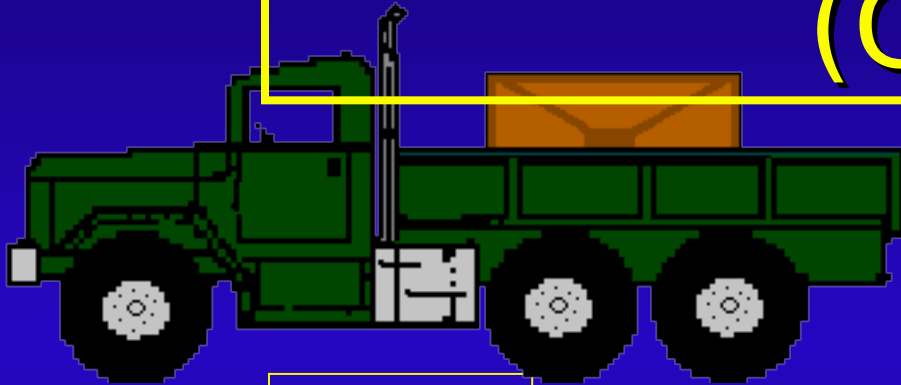
Load can bend the frame,  
overload front tires and  
make steering harder



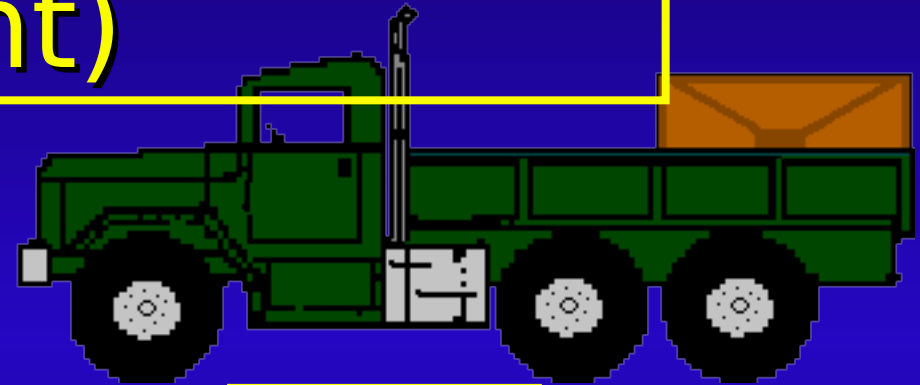
Right

Place heavy part of  
load  
near rear axle for  
proper  
tire loading and to keep  
frame from bending

# Load Placement in Trucks & Semitrailers (Cont)



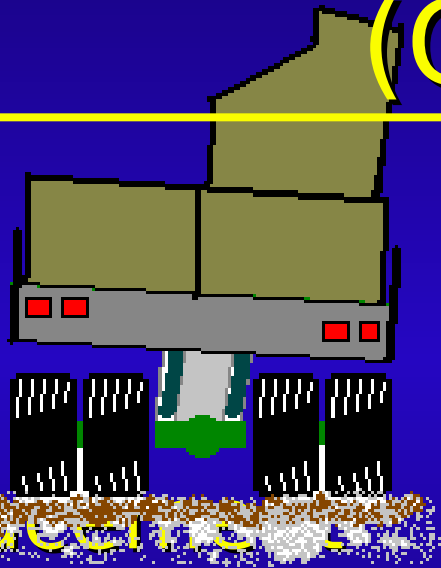
Set a **Right** concentrated load just ahead of the rear axle with the longest side on the floor



**Wrong**  
Load can bend the frame, overload rear tires and make steering almost impossible

# Load Placement in Trucks & Semitrailers (Cont)

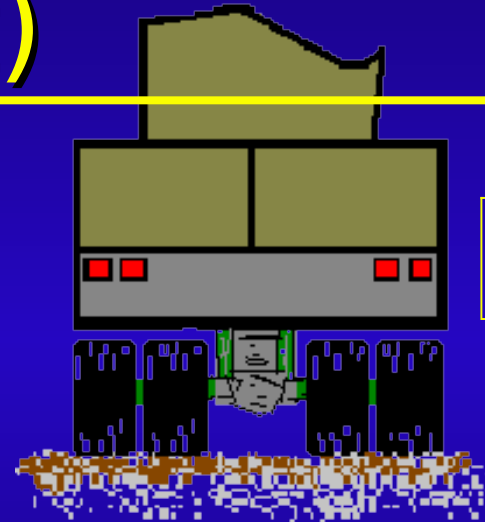
WRONG



This placement  
overloads  
one spring and set of  
tires,

brakes could lock on the  
light side causing skids

RIGHT



Nothing is overloaded,  
frame will not twist  
and  
stress suspension

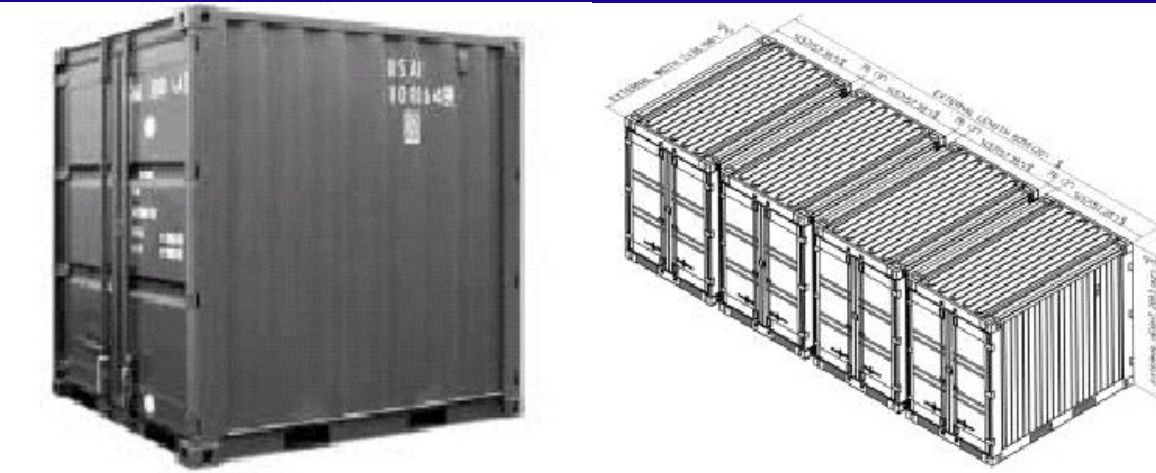
# Containers

- Containers provide:
  - Security (seal protection)
  - Weather Protection
  - Less damage to the cargo (if loaded properly)
  - Ease in handling
  - Concentration of unit supplies/equipment

# AVAILABLE CONTAINERS

Requested through the ITO

QUADCON



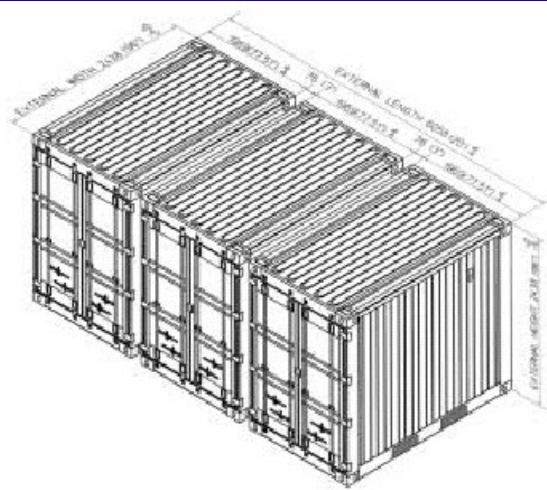
Coupling system



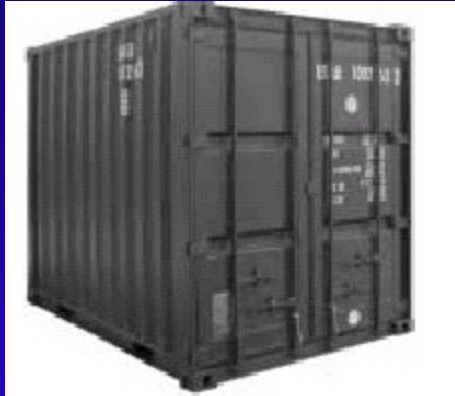
# AVAILABLE CONTAINERS (Cont)

Requested through the ITO

## TRICON



# AVAILABLE CONTAINERS (Cont)



CONEX



MILVAN

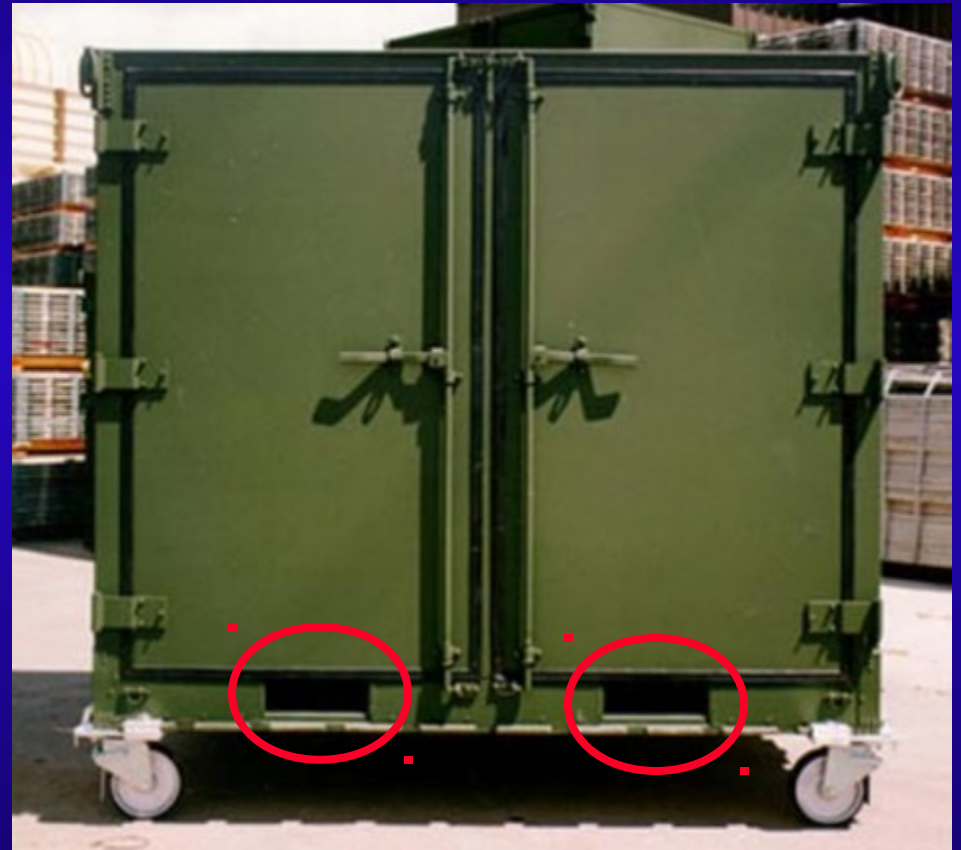
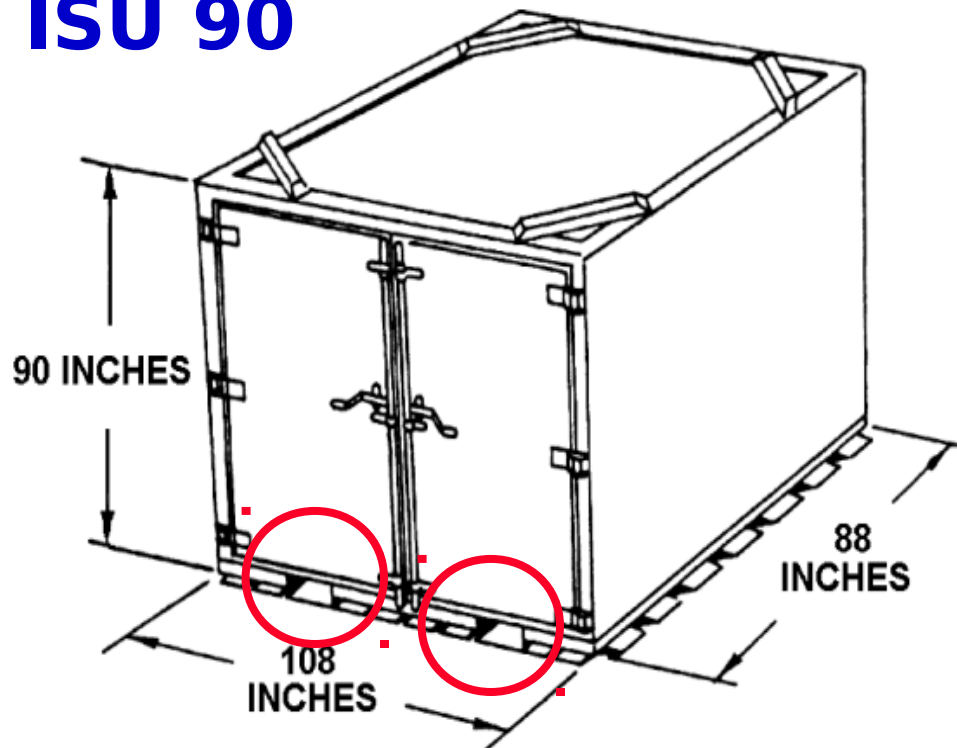
20-Foot Shipping Container



40-Foot Shipping Container<sub>40</sub>

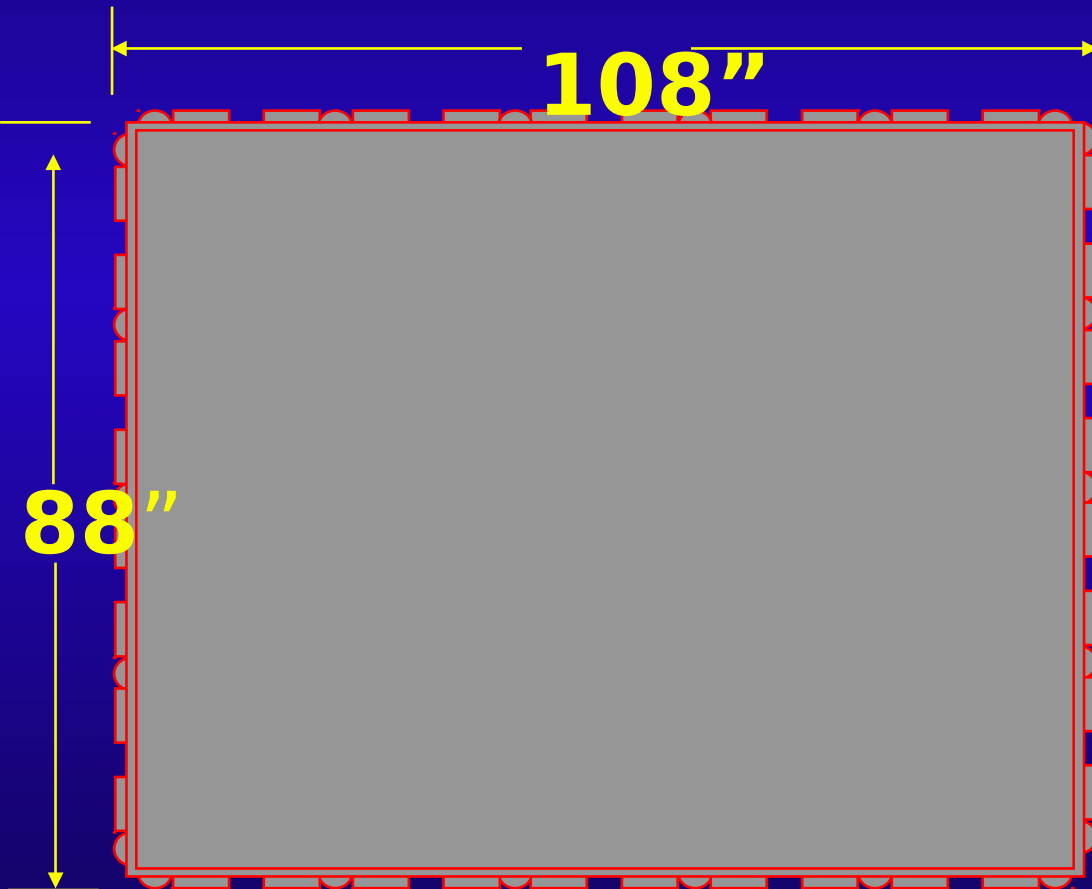
# ISU

## ISU 90

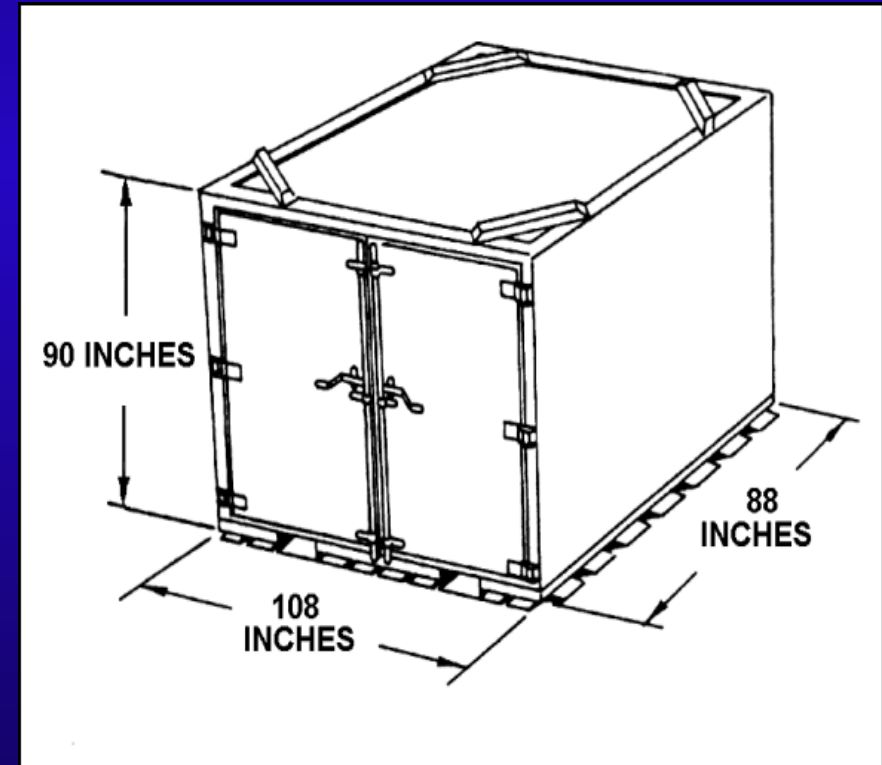


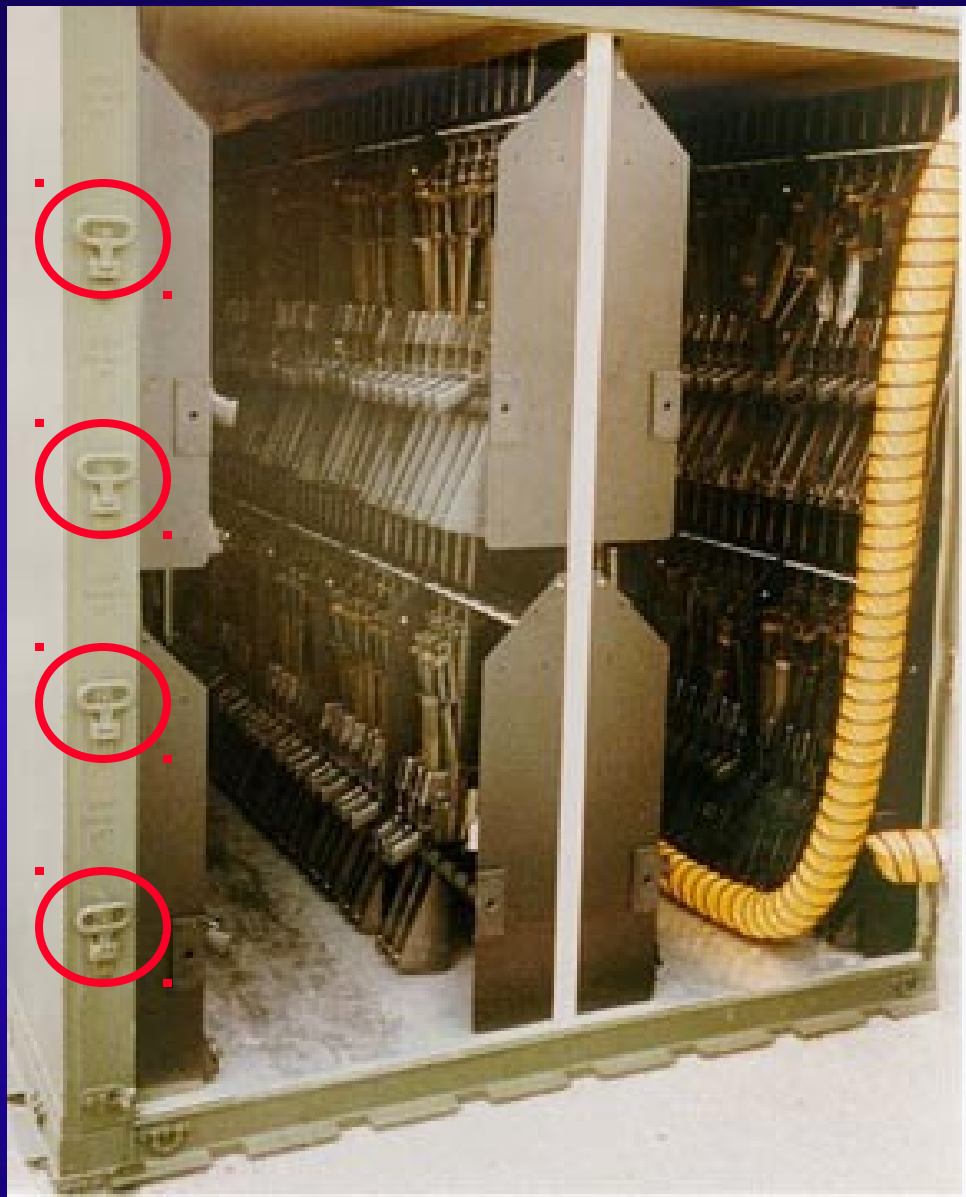
# ISU (Cont)

## 463L PALLET



## ISU 90





**Weapons Rack**  
(300x M16, 60 x 9mm pistols)



**Laundry Unit**  
(4 washers/dryers)



ISU 60

# Container Inspection -

- Inspect Containers **Prior to Stuffing**  
(exterior) **Exterior**

- **Identification markings** must be readable
- **Welds** must not be broken, cracked or missing
- Top/bottom **rails** should not be damaged
- **Door frame** must not be cut, broken, or distorted
- **Locking bar** guides must be serviceable
- **Roof** panels should not be corroded,

# Container Inspection -

- Inspect Container **Interior** **to Stuffing**  
(interior)

- Ensure **no tears or holes** in sides and roof and

- that floor boards are serviceable

- **Corner posts** should not be dented, fractured, or torn

- Ensure **no rust**, mold or mildew and check for

- general cleanliness

- There may be an added<sup>46</sup> cost for exchanging

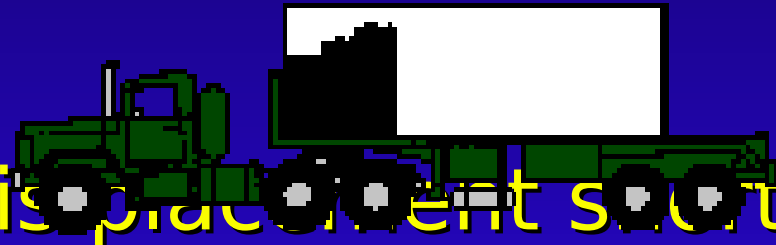
# Container Considerations

- Consider how you will **receive containers**
  - If you load a container that is **on a chassis**, you will need a **ramp or MHE** for loading
  - If you load a container **without a chassis**, you will **need MHE** to place the container on a chassis or truck/trailer bed
- **once loading is completed** consider **customs** inspection requirements (inspect before the container is loaded)
- Consider BBPCT requirements

# Stuffing Containers

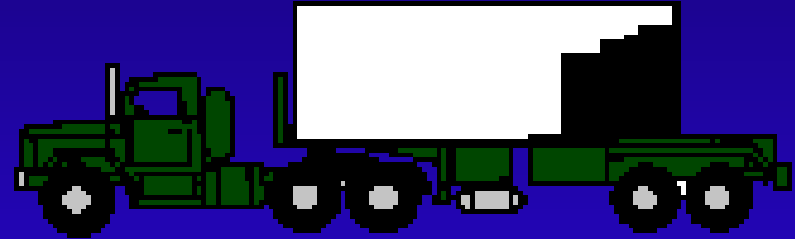
- Stuffing Containers
  - **Distribute** weight evenly over the container floor
  - **Heavy cargo on bottom**, lighter cargo on top
  - Fill space between cargo and containers sides with **blocking and bracing**
  - Keep **CB** as near as possible to the center
  - Do not overload the container

# Load Placement in Containers



This placement shortens tire life & bends the trucks rear-axle housing; applying trailer brakes may lock the wheels & cause flat spots &

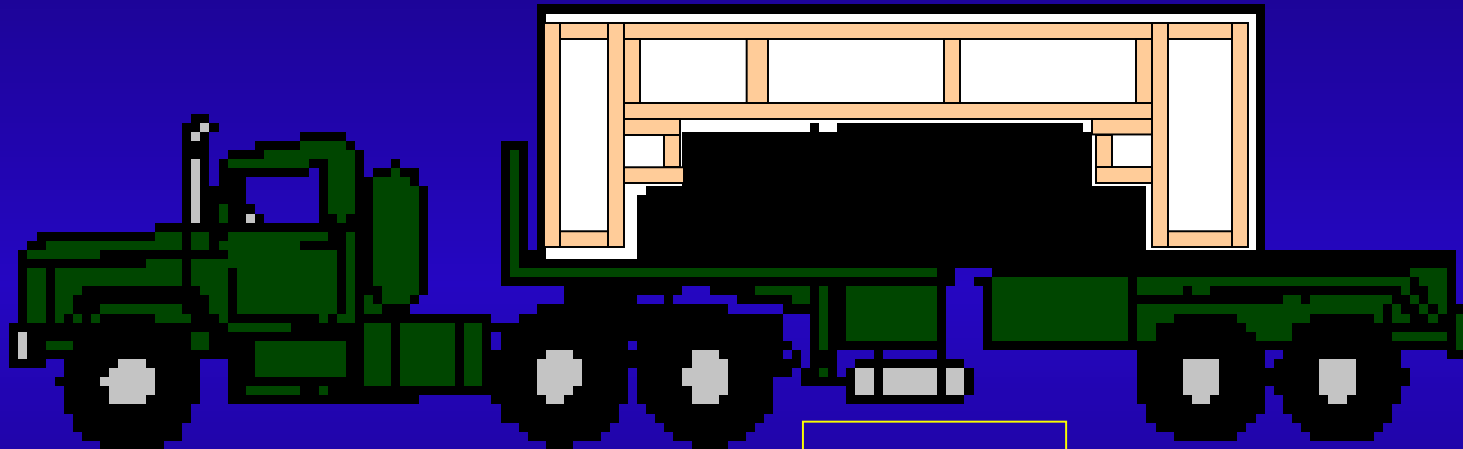
Wrong



This placement overloads the trailer rear wheels so that brakes will not function properly & rubber scuffs away

Wrong

# Load Placement in Containers (Cont)



Right

This container is loaded with the load spread low on the floor. (What is missing from picture?)

# Record Weight

- Record weight & compare to the AUEL  
Verify the actual weight & dimensions of each piece of cargo, and vehicle with cargo
  - Update AUEL if discrepancies are found
- You must physically weigh each vehicle after it is loaded

**NEVER EXCEED VEHICLE'S CROSS  
COUNTRY WEIGHT LIMITS**

# Lessons Learned

- Tractor trailer that overloaded a bridge



# SUMMARY

- **Planning the Load**
  - How to calculate the cubic feet required for cargo shipments, and how to determine if external cargo lift assets are required
  - Vehicle weight limitations
- **Testing the Load**
  - Loading consideration for vehicles
  - Use of containers, including loading considerations



On  
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# On Learnin g

Question 1: What is the size in cubic feet of a packaged motor with the measurements of 48 in. wide, 24 in. high, and 72 in. long?  
Answer 1: 48 cubic feet.

$$(48 \times 24 [1152] \times 72 [82,944] / 1728 = 48 \text{ cuft})$$



# On Learning

Question 2: When developing cargo load plans for vehicles, what is the vehicle weight category that you must not exceed?

Answer 2: You never exceed the vehicle's cross country weight.

# Inspecting the Load

# Preparing Vehicles For Shipment

- Thoroughly **clean** vehicles (Customs)
- Ensure vehicles are **mechanically sound** (free of leaks, drips and other defects)
- Fill vehicle **fuel tanks** to a maximum of 3/4 full
- Do not fill the fuel tanks of trailer mounted equipment (such as generators) to more than 1/2 a tank
- Ensure **tiedown/lifting** devices are serviceable

# Preparing Vehicles For Shipment (Cont)

- Secure ~~ignition keys~~ to steering wheel with wire
- Ensure **fire extinguishers** are in approved brackets
- Do not lock driver compartments
- Consolidate **radios and crew-served weapons** in separate secured containers
- **Basic Issue Items** (jack, tools) stored in tool box (locked/banded)

# Preparing Vehicles For Shipment (Cont)

- **Reduction**

- **Operational configuration** for moving as convoy  
(reduction will occur in POE staging area if required)
- When vehicles are shipped
  - **Reduce vehicle length and width** by folding in side mounted mirrors
  - Remove antennas
  - Keep windshields and cab canvas in the 'up' position
  - Leave exhaust stacks in place
  - Reduce further only if specified in the Movement Order

# Securing Cargo in Vehicles and Containers

# Packing Materials

- Types of packing materials:
  - Bubble wrap
  - Foam packing
  - Corrugated cardboard
  - Desiccant to dehumidify
  - Pneumatic & mechanical holding devices
- Materials also needed to close and secure boxes/cartons

# Containers

- Rules for loading containers:
  - Block & brace** the cargo - bottom, sides & front (stay **6 inches** away from the door)
  - Distribute** the weight evenly - heavy items on the bottom of the container - never overload
  - Package liquid on **dunnage**
  - **Group cargo** according to use at destination for ease of handling when off-loading

# Containers (Cont)

**SIX INCH GAP  
BEHIND DOOR**

**BLOCKING FOR EMPTY  
SPACE ABOVE CARGO**

**USE DIVIDER SHEET BETWEEN  
DIFFERENT SIZE / TYPE  
CARGO**

**D  
O  
O  
R**

**LIGHTER  
CARGO  
ON TOP**

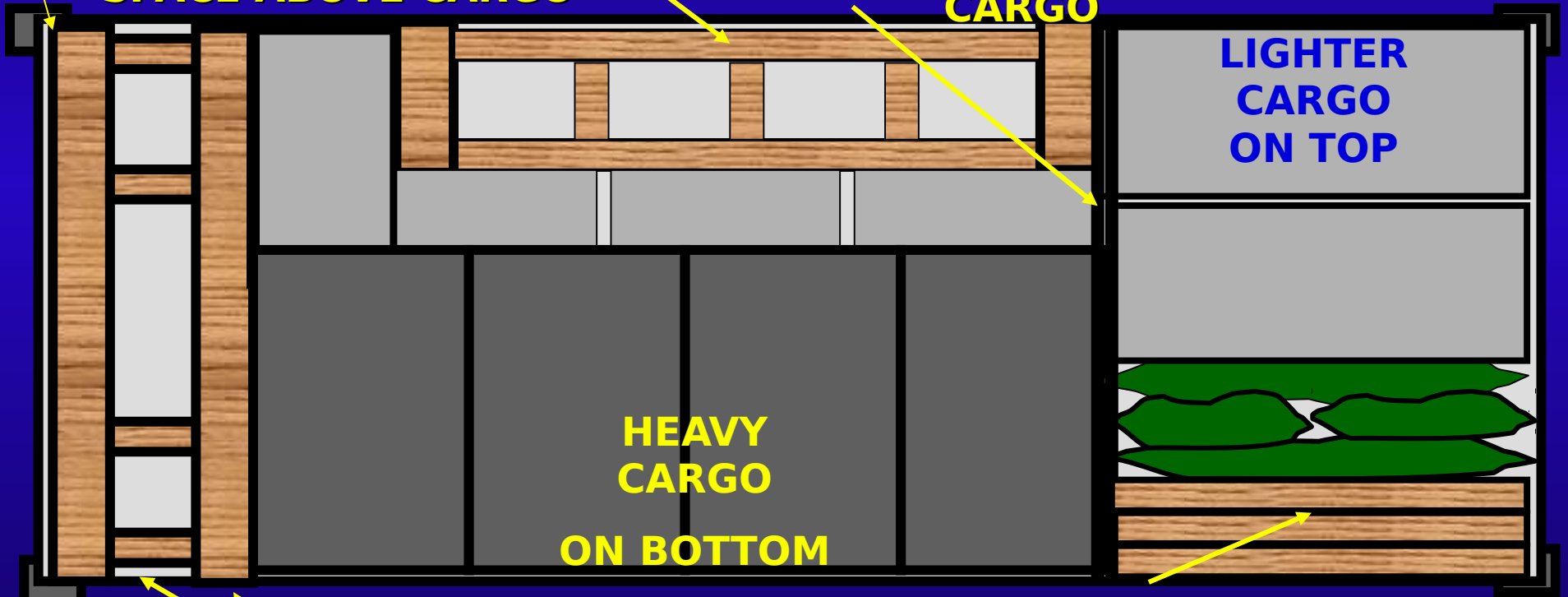
**F  
R  
O  
N  
T**

**HEAVY  
CARGO**

**ON BOTTOM**

**BLOCKING &  
BRACING**

**DUNNAGE LAYERS OR PALLETS  
FOR POSSIBLE DRAINAGE**

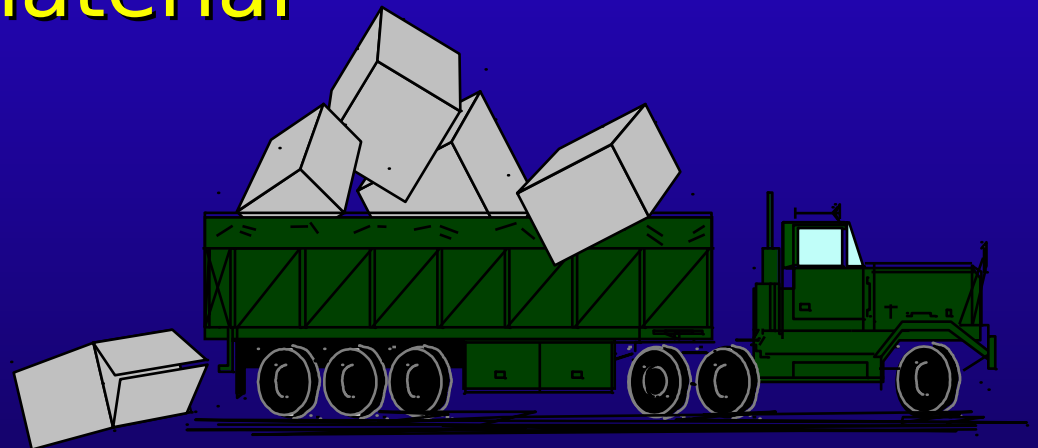


# Blocking, Bracing, Packing, Crating, Tiedown (BBPCT)

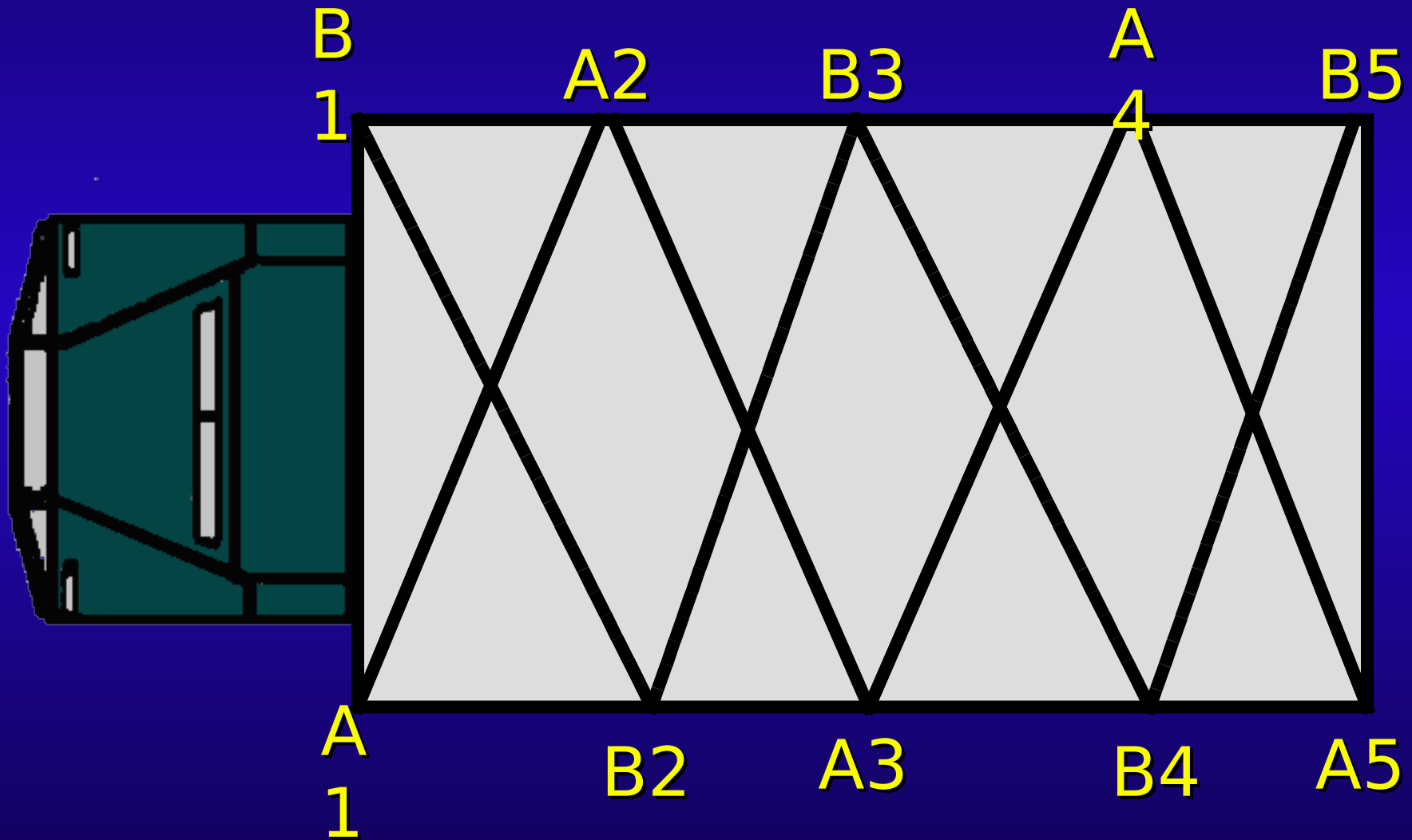
- Units are responsible for securing their cargo
- Lashing should be:

1/2" manila rope, wire  
rope or banding material

- Secure rope to  
vehicle via  
hooks/rings on  
the vehicle's  
sides



# Lashing



# Blocking & Bracing

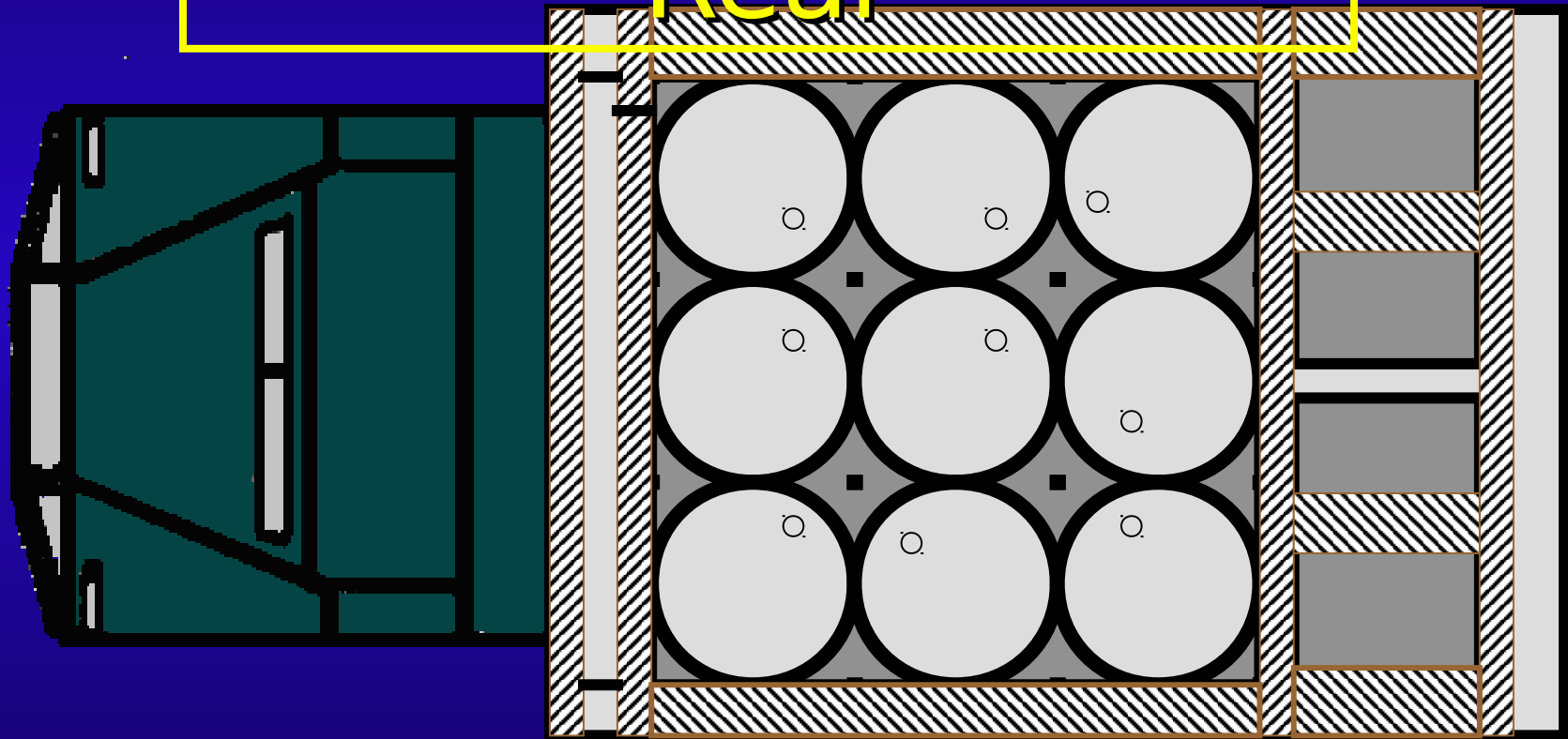
- Your unit is responsible for the blocking & bracing of unit equipment and containers

Use crib blocking whenever possible

Block cargo on all sides: front, back, sides & door area

Ensure there is no metal-to-metal contact (Use plywood, wood or cardboard)

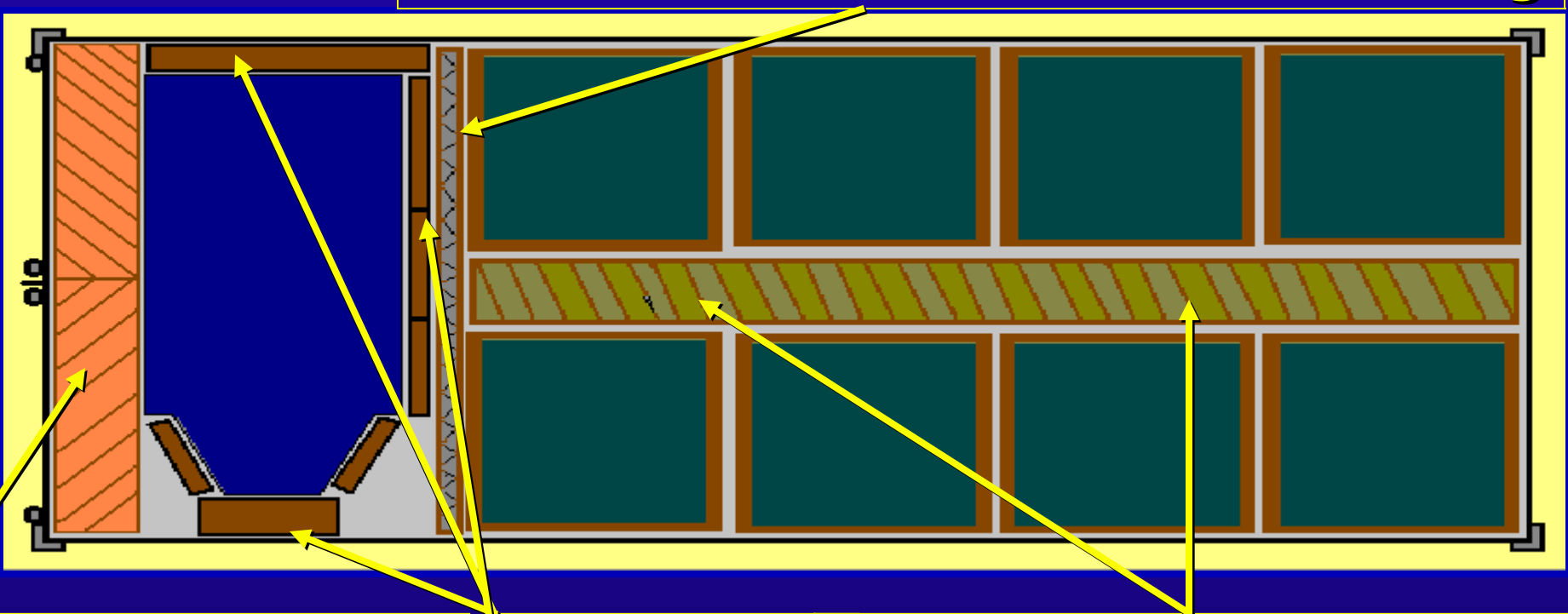
# Blocking & Bracing a 2-1/2 Ton Truck Rear



- Denotes Blocking & Bracing

# Blocking & Bracing a Container

False wall / side to side bracing



6" B & B at door

Blocking B & B between pallets

# Loading Containers

- Once a container is blocked and braced:
  - **Close** and **seal doors** carefully (use serial numbered seals if provided)
  - **Weigh** the container and check its documentation
  - Place one copy of its **packing list** on the inside of the container door and one on the outside (in clear plastic sleeve for weatherproofing)
  - If carrying HAZMAT; load, label, and **placard** as appropriate

# Cargo Protection

- Protecting cargo from weather & elements is a unit responsibility

Place **dunnage over corners** to protect canvas

**Cover** open topped vehicles with canvas before lashing

**Protect** crew-served weapons from elements with a coating of grease

# Inspecting the Load

- Once loading is completed, **inspect** the vehicle to ensure that:
  - Its overall **dimensions** (length, width and height) are in **compliance** with the applicable reduction policy
  - Its overall **weight is in compliance** with stated vehicle limitations





# Marking of Vehicles

- Proper marking of unit vehicles and equipment:
  - FORSCOM/ARNG Reg 55-1, requires marking on front and back
  - Use 2" lettering placing **UIC and SUN** on bumpers
  - Suggested to **mark all secondary loads** that may be moved separately
- See App G to FORSCOM/ARNG Reg 55-1

# SUMMARY

- **Inspecting the Load**
  - Preparing vehicles for shipment
  - Securing cargo loads in vehicles and containers (lashing, and blocking and bracing)
  - Cargo protection (weatherproofing)
  - Vehicle weighing and marking



On  
Learnin  
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# On Learnin g

Question 1: What type of material should be used for lashing?

Answer 1: 1/2" manila rope, wire rope or banding material.



# On Learnin

Question 2: How much space must be maintained between the cargo and the container door?

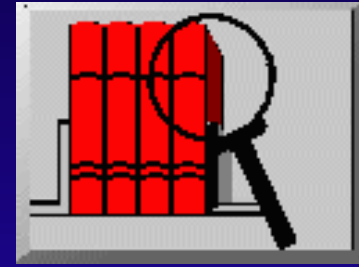
Answer 2: You must keep 6 inches of space between the cargo and the door.

# Special Cargo Considerations

# Types of Special Cargo

- Hazardous cargo (discussed in another lesson)
- Other Categories
  - Sensitive items
    - Classified material
      - Pilferable items

# Sensitive Items



- Sensitive cargo is cargo that could threaten public safety if compromised (eg. weapons)
- Sensitive cargo must be **secured and identified to port personnel** so they can provide appropriate security
- **Remove crew-served** weapons from vehicles. Place them in containers that are sealed and secured with an approved locking device
- Provide **guards or escorts** when shipping sensitive material by rail

## Sensitive Items (Cont)

- **Rules** for sensitive cargo:

**Packing material** must be strong and durable enough to provide security protection in transit

Containers, vehicles or compartments must be **secured** with appropriate locking device. Also place a **serial-numbered seal** on the door (serial number entered on unit packing list)

Sensitive items must be **identified** in the commodity code of the unit's AUDEL/DEL (OEL/UDL)

The outside of container/vehicle/compartments must **NOT indicate** in any way that it contains sensitive items

# Classified Cargo

- Classified cargo is cargo that requires protection in the interest of national security (eg. codes)
- Classified material must be enclosed in **two sealed containers**: inner and outer container (comply with AR 380-5)
- Must **NOT be identified as classified on the outer container**
- **Packing material** must be strong and durable enough to provide security protection in transit, to keep items from breaking out of the container and to help detect any tampering with the container - wrapping must conceal classified characteristics
- Not to be stored in any detachable storage compartment, such as vehicle trailers

## Classified Cargo (Cont)

- When **crossing international borders**, arrangements must be made to ensure that customs, border or other inspectors (either US or foreign) do not open the classified material
- Containers, vehicles or compartments containing classified material must be secured with an **appropriate locking device**. Also place a **serial-numbered seal** on the door (serial number entered on packing list)
- Unit authorizing the transportation of classified equipment must **notify their ITO/MCT** and an appropriate carrier in advance
- Shipping classified material by rail may require the commander to **provide guards or escorts**
- When traveling by motor convoy, escorts must maintain constant surveillance of classified material (stay within escort's personal possession/observation at all times)

# DD Form 1907

- DD Form 1907

<b>SIGNATURE AND TALLY RECORD</b> (See DoD 4500.9-R for guidance) <i>(Use of equivalent carrier-furnished signature and tally record is acceptable.)</i>		Form Approved OMB No. 0702-0027 Expires Oct 31, 2001
<p>The public reporting burden for this collection of information is estimated to average 3 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Service, Directorate for Information Operations and Reports (0702-0027), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Responses should be given that acknowledge any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p> <p><b>PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM AS DIRECTED IN THE DISTRIBUTION INSTRUCTIONS BELOW.</b></p>		
<b>DISTRIBUTION INSTRUCTIONS</b> (1) The SHIPPER will print two copies, retain one copy and give one to the Origin Carrier. (2) The ORIGIN CARRIER will deliver one copy with original signatures to the Destination Carrier. (3) The DESTINATION CARRIER will attach one copy (reflecting all original signatures) and Standard Form 1113, Public Voucher for Transportation Charges, to the original Government Bill of Lading and forward for payment. Reproduced completed copy of DD Form 1907 will be delivered to the Consignee and one will be retained. (4) The CONSIGNEE will ensure Destination Carrier surrenders a reproduced copy of completed form with all signatures.		
<b>SECTION I - TO BE COMPLETED BY THE SHIPPER</b>		
1a. SHIPPER NAME	b. ORIGIN	
2. PROTECTIVE SERVICE REQUESTED	3. GBL OR CBL NUMBER	
4a. CONSIGNEE NAME	b. DESTINATION	
5. PERMIT NUMBER (if any)	6. TRANSPORTATION CONTROL NUMBER	
7. ROUTING	8. WEIGHT	9. CUBE
10. SPECIAL INSTRUCTIONS	11. DATE SHIPMENT TENDERED TO CARRIER (YYYYMMDD)	
12. NAME OF CARRIER	13. NUMBER OF PIECES	

[illegible]

DD FORM 1907, MAY 2000

PREVIOUS EDITION IS OBSOLETE.

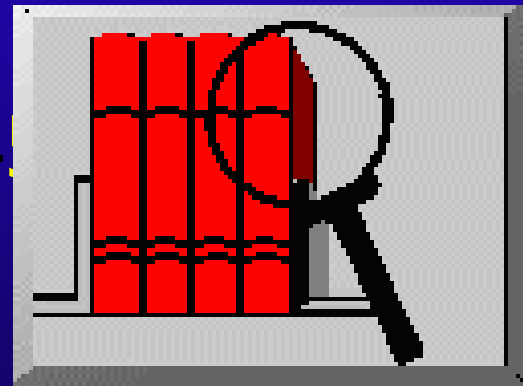
# Pilferable Items

- Pilferable items are items of value to individuals that can be readily removed and concealed (radios, binoculars compasses, etc.)
- Consider removing pilferable items from vehicles and packing them together in a separate container (also facilitates movement tracking)



# Security

- Be prepared for acts of sabotage, espionage and terrorism in both CONUS and OCONUS theaters
- Guard against theft and pilferage
- Degree of security required will determine the need for outside support
- References: FM 100-20, AR 380-



# SUMMARY

- Sensitive Items
- Classified Cargo
- Pilferable Items





On  
Learnin  
g



# On Learnin g

Question 1: True or False: The contents of a classified cargo shipment must be clearly marked on the outer container or package during shipment?

Answer 1: False. Classified cargo must not be identified on the outer shipping container.

# Documenting the Load

# Forms Used

- **Forms**

- 
- FORSCOM Form 285-R, Vehicle Load Card
- DD Form 1750, Packing List
- DA Form 5748-R, Shipment Unit Packing List and Load Diagram
- DD Form 1387 - Military Shipment Label
- Destination Placard
- Radio Frequency Identification Tags
- Shippers Declaration of Dangerous Goods
- DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials)
- DD Form 836, Dangerous Goods Shipping Paper / Declaration and Emergency Response Information

# **FORSCOM FORM 285-R**

**Vehicle Load Card**

# FORSCOM Form 285-R

- **Vehicle Load plans** are documented on FORSCOM Form 285-R

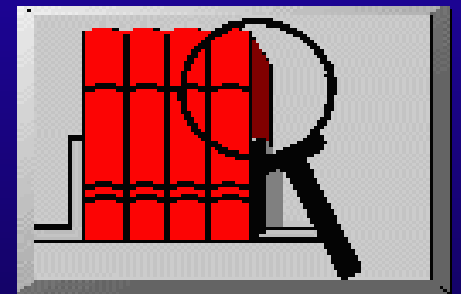
FORSCOM Form 285-R must be filled out for all vehicles which have a cargo load

Load plans are kept on file as part of the unit movement plan and revised / tested annually

# FORSCOM

## Form 285-R (Cont)

- Load cards can also be used to check cargo at terminals:
  - Check for loss or damage
  - Ensure particular cargo can be located when needed
- See example Form 285-R in FORSCOM/ARNG Reg 55-1, page 35



# FORSCOM FORM 285-R

## Vehicle Load Card

VEHICLE LOAD CARD											
(TB 55-46-1 & 2) and (FORSCOM Reg 55-1)											
UNIT/UIC		VEH LIN NO		NOMEN/MOD NO		SEC/PLT A SGD		SHIPMENT UNIT NO		DATE COMPILED	
LENGTH OF VEH		WIDTH OF VEH		HEIGHT OF VEH		VEH EMPTY WT					
OPERATIONAL		REDUCED		OPERATIONAL		REDUCED		OPERATIONAL		REDUCED	
CARGO AREA						CARGO AREA CUBIC FT					
LENGTH		WIDTH		HEIGHT		OPERATIONAL		REDUCED			
NOT COMPUTED FOR HS TO MS						TEST LOAD VERIFIED BY				DATE	
CB/CG IS		INCHES FROM									
CARGO COMMENTS											

**FORSCOM Form 285-R**

# FORSCOM FORM 285-R

## Vehicle Load Card

Place Bumper No. of vehicle here  
(Cont)

Bumper # HQ 7-T						VEHICLE LOAD CARD	
(TB 55-46-1 & 2) and (FORSCOM Reg 55-1)							
UNIT/UIC	VEH LIN NO	NOMEN/MOD NO	SEC/PLT A SGD	SHIPMENT UNIT NO	DATE COMPILED		
316th Trans Co WADSAA	X40009 01	TRK CARGO 12-1/2 TON M35A2					
LENGTH OF VEH		WIDTH OF VEH		HEIGHT OF VEH		VEH EMPTY WT	

Unit Name and UIC

Vehicle LIN and Index

No. Nomenclature

(description) and Model

# FORSCOM FORM 285-R

## Vehicle Load Card

(Cont)

Bumper # HQ 75-111					
T					
(TB 55-46-1 & 2) and (FORSCOM Reg 55-1)					
UNIT/UIC	VEH LIN NO	NO. IN/OUT	SEC/PLT ASGD	SHIPMENT UNIT NO	DATE COMPILED
316th Trans Co	X40009	012-1/2 TON	A Sec	D000	2001/11/3
WADSAA		M35A2	2nd Plt	7	0
LENGTH OF VEH		WIDTH OF VEH		HEIGHT OF VEH	
				VEH EMPTY WT	

Section / Platoon

Shipment Unit No.  
(assigned by  
AUEL/OEL)

Date Compiled (YYYY/MM/DD)  
(Complete in pencil)

# FORSCOM FORM 285-R

## Vehicle Load Card

LENGTH OF VEH		WIDTH OF VEH		HEIGHT OF VEH		VEH-EMPTY WGT
OPERATIONAL	REDUCED	OPERATIONAL	REDUCED	OPERATIONAL	REDUCED	
265	265	106	96	113	81	1318
CARGO AREA				CARGO AREA CUBIC FT		

(Cont)

Depending on the planned shipping configuration, either operational and/or reduced entries are made under length, width, and height of the vehicle.

# FORSCOM FORM 285-R

## Vehicle Load Card

Under Bows Cargo Body Loading Height not 'Cargo Deck Bed Height'

(Cont)

	CARGO AREA			CARGO AREA CUBIC FT	
LENGTH	WIDTH	HEIGHT	OPERATIONAL	REDUCED	DATE
14 7	88	60	443	277	
NOT COMPUTED FOR HISTOIMS			TEST LOAD VERIFICATION		

Normally 'Under Bows Capacity'

Normally 'Top of Side Racks Capacity'

· Dimensions and weight of the cargo area

# FORSCOM FORM 285-R

## Vehicle Load Card (Cont)

NOT COMPUTED FOR HISTORICAL		TEST LOAD VERIFIED BY		DATE
CB/CG IS	132	INCHES FROM	FFE	
CARGO COMPARTMENT VIEW				

Center of balance /  
center of gravity  
(CB/CG) in inches

Point CB / CG  
calculated from  
(ref point) i.e.  
FFE = forward  
front edge

# FORSCOM FORM 285-R

## Vehicle Load Card

NOT COMPUTED FOR HS TO ME		TEST LOAD VERIFIED BY		DATE
CB/CG IS	132	INCHES FROM	FFI	Steve Irwin
CARGO COMPARTMENT VIEW				2002/11/30

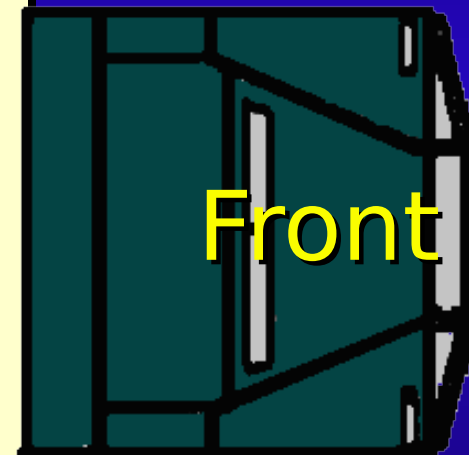
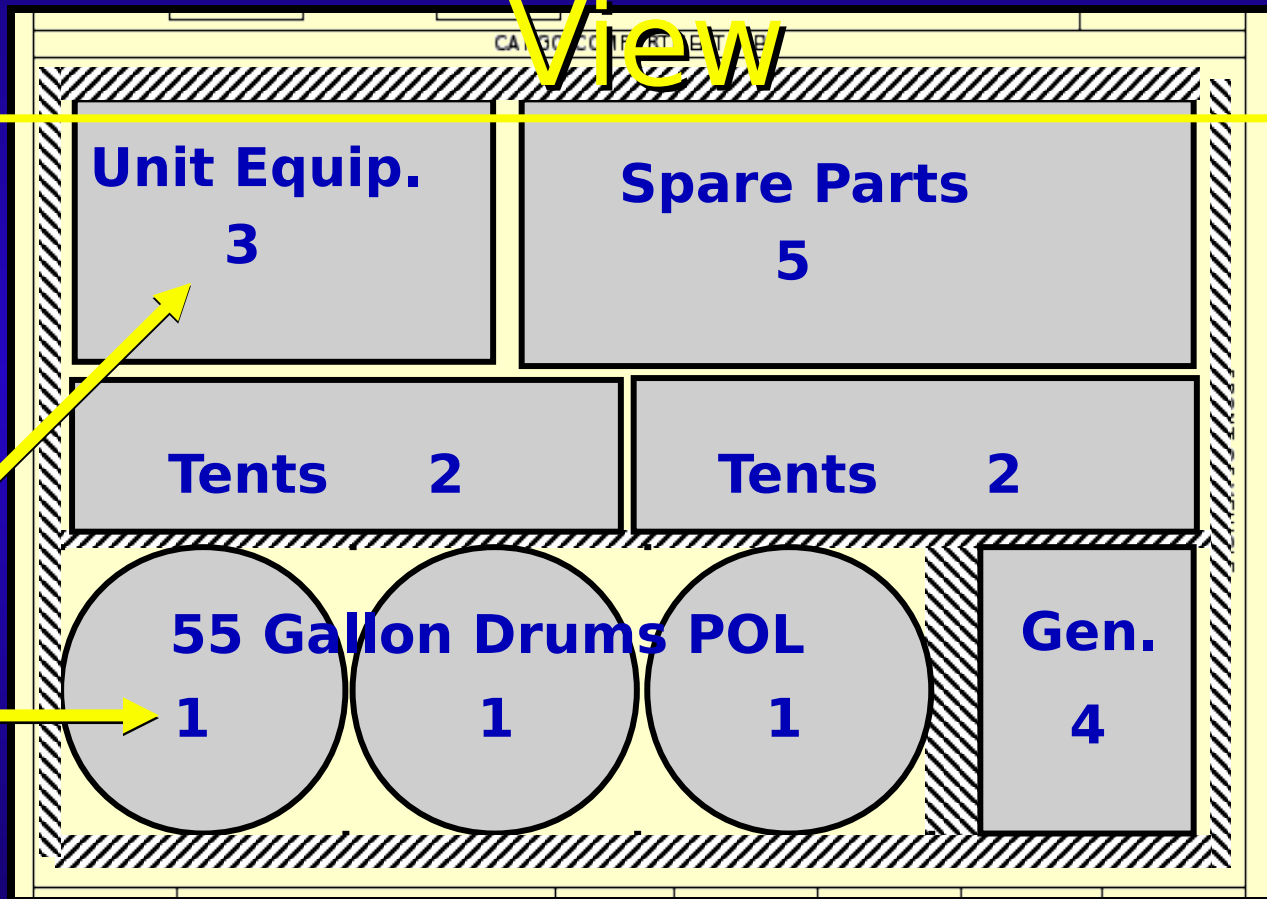
Verified by  
(in pencil)

Date verified  
(YYYY/MM/DD)  
(in pencil)

# FORSCOM FORM 285-R Cargo Compartment

View

Cargo  
Location  
Numbers



Front

Cargo compartment view

Ref: FORSCOM/ARNG Reg 55-1, p.35

# FORSCOM FORM 285-R

## Cargo Description

CARGO LOC NO	CARGO DESCRIPTION & TYPE PACK	NO OF ITEMS	PC CUBIC FT	TOTAL CUBIC FT	PC WT	TOTAL WT
<b>1</b>	<b>POL - 55 Gal Drum</b>	<b>3</b>	<b>6.8</b>	<b>20.4</b>	<b>380</b>	<b>1140</b>

Cargo description for the three 55 gallon drums shown in the Cargo Compartment View section of the previous page

# FORSCOM FORM 285-R

## Cargo Description

CARGO LOC NO	CARGO DESCRIPTION & TYPE PACK	NO OF ITEMS	TOTAL CUBIC FT	PC WT	TOTAL WT
1	POL - 55 Gal Drum	3			

Location  
number  
from  
drawing

Cargo  
descriptio  
n and type  
pack

Number of  
items in  
this  
location

# FORSCOM FORM 285-R

## Cargo Description

CARGO LOC NO	CARGO DESCRIPTION & TYPE PACK	NO OF ITEMS	CU FT	TOTAL CUBIC FT	PC WT	TOTAL WT
1	POL - 55 Gal Drum	3	6.8	20.4	380	1140

CuFt of  
each piece

Total  
CuFt

Each  
piece  
weight  
(pounds)

Total  
weight of  
this  
location  
(pounds)

# FORSCOM FORM 285-R

## Cargo Description (Cont)

CARGO LOC NO	CARGO DESCRIPTION & TYPE PACK	NO OF ITEMS	PC CUBIC FT	TOTAL CUBIC FT	PC WT	TOTAL WT
1	POL - 55 Gal Drum	5	4.8	20.4	380	1140
2	Tent -Crate	2	24	48	80	160

Location  
number from  
drawing

Number of  
items in this  
location

Total weight of  
this location

# FORSCOM FORM 285-R

## Cargo Description

LOAD PLUS VEHICLE WT

**16650**

TDA/MTOE PARA AND LIN NO OF DRIVER

**Para 109 Line 03**

FORSCOM Form 285-R, 1 Mar 93

EDITION OF 1 AUG 80 MAY BE USED.

5-1/2

Total weight of load plus  
empty vehicle weight  
**(AC)**

MTOE Paragraph and  
Line No. of Driver

Total weight of items  
loaded above the **red**  
**line** plus empty vehicle  
weight **(BC)**

# Reserve Redline

## Concept

- **Redline concept** is only used by the **Reserve component**

Total  
cargo  
moving  
from  
HS to  
MS

Cargo moving from the HS to  
the MS and then onto the A /  
SPOE (**deployed**

Cargo moving only from the HS  
to  
the MS (**non-deployed  
equipment**)

# FORSCOM FORM 285-R

Reverse side of  
form, top

Reverse  
total weight of BBPOT  
material

CARGO LOC NO	CARGO DESCRIPTION & TYPE/PACK	NO OF ITEMS	PC CUBIC FT	TOTAL CUBIC FT	PC WGT	TOTAL WGT
	WEIGHT OF BBPOT MATERIALS					<u>168</u>
	TOTALS +	<b>8</b>		<b>622</b>		<b>3470</b>
NUMBERS OF DD FORM 1750 (PACKING LIST) THIS LOAD		<b>= 5</b>				

Total No. of DD Form  
1750 (Packing Lists) for  
vehicle

Totals (Items,  
cube &  
weight)

# FORSCOM FORM 285-R

## Reverse (Cont)

REMARKS (List of BBPCT materials needed this load to include weight)

4 ea 4 X 4 X 12	80
12 ea 2 X 4 X 8	48
2 ea 5/8" Plywood 4 Ft X 8 Ft	<u>40</u>
	168lbs

### Remarks:

List BBPCT materials  
needed  
for cargo load - include  
weight

**DD Form 1750**

Packing List

# DD Form 1750

## Packing List

- DDD Form 1750

Must be prepared  
for EACH multi-  
pack box or  
container

<b>PACKING LIST</b>	PACKED BY _____	1. NO. BOXES _____	2a. REQUISITION NO. _____		
			2b. ORDER NO. _____		
3. END ITEM _____			4. DATE _____		
			5. PAGE _____ OF _____ PAGES		
			QUANTITIES REQUIRED		
BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	INITIAL OPERATION (d)	RUNNING SPARES (e)	TOTAL (f)
6. THIS CERTIFIES THAT THE ITEMS LISTED HEREON ARE WITHIN THE SPECIFIED BOXES					
TYPED NAME AND TITLE _____			SIGNATURE _____		

DD Form 1750, SEP 70 (EG)

Designed using Perform Pro, WHS/DIOR, Aug 94

# DD Form 1750

## Packing List (Cont)

PACKING LIST		PACKED BY <b>316th Trans Co</b> <b>WADSAA</b>	1. NO. BOXES <b>1</b>	Vehicle Bumper No. 2a. REQUISITION NO. <b>HQ 7-T</b> 2b. ORDER NO. <b>D0021</b> 4. DATE
3. END ITEM				

Packed by: Enter your unit name and UIC

Block 1: Number of inner boxes in the container (if

the form relates to a box/grate enter '1')

Block 2a: Requisition No. - Change this to "Vehicle Bumper Number" or

Block 2b: "Commercial Container Number" Shipment Unit Number from AUEL/OEL or DEL/UDL for the vehicle/container

# DD Form 1750 Packing List (Cont)

PACKING LIST		2b. ORDER NO.	
3. END ITEM		4. DATE 2001/11/30	
M35A2, Trk cargo 2 1/2 Ton		5. PAGE 1 OF 1 PAGES	
6. BOX NO.	7. CONTENTS	8. STOCK NUMBER AND NOMENCLATURE	9. QUANTITIES REQUIRED
(a)	(b)	(c)	(d)
		ISSUE	INITIAL
		(e)	OPERATION
			RUNNING
			SPARES
			TOTAL
			(f)

Block 3: ~~End Item~~ This is information on either the vehicle

carrying the cargo (as shown) or the shipping container (eg.

'Box Shipping Metal 20ft. Serial #54280, HHC Seal

Block 4: Date form compiled (YYYY/MM/DD) - Enter in

- Be specific

Block 5: Page number - Enter page number & total number of pages

Ref: FORSCOM/ARNG Reg 55-1, p.37

# DD Form 1750

## Packing List (Cont)

Column (a): **Box No.**

Use when shipping 2 or more boxes in a container to indicate the box number in which the items are packed. If form is for a single box/crate leave blank

BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)

# DD Form 1750

## Packing List (Cont)

Column (b):

**Contents- Stock**

**Number &  
List items within the  
Nomenclature -  
box, crate or container.**

**List the National Stock  
Number &  
nomenclature/descripti  
on**

**Indicate BBPCT materials  
used and their weight at bottom**

BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT (c)
	<b>1234-23-2334-4454 Chair, folding field</b>	
	<b>1234-23-2451-6284 Desk, field</b>	
	<b>Wooden Crate</b>	

# DD Form 1750

## Packing List (Cont)

BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	QUANTITIES REQUIRED		
			<del>INITIAL OPERATION (d)</del>	<del>RUNNING SPARES (e)</del>	<del>TOTAL (f)</del>
	<div>Column (d) Change to read: <b>Packs, No. in box</b></div> <div>Column (e) Change to read: <b>"Weight of Each Item (lbs)"</b></div> <div>Column (f) Change to read: <b>"Total Weight (lbs)"</b></div>		<b>Packs No in box</b>	<b>Weight of Each Item (lbs)</b>	<b>Total Weight (lbs)</b>

# DD Form 1750

## Packing List (Cont)

BOX NO.	CONTENTS - STOCK NUMBER AND NOMENCLATURE	UNIT OF ISSUE (c)	QUANTITIES REQUIRED		
			<del>INITIAL OPERATION</del> (d)	<del>RUNNING SPARES</del> (e)	<del>TOTAL</del> (f)
			Packs No in box	Weight of Each Item (lbs)	Total Weight (lbs)
		Ea	2	54	

**Column (c): Unit of Issue:** such as ('ea') [each] for individual items (eg. computer), or 'BX' [box] for packaged multi-items (eg. Pens)

**Column (d):**  
Packs, No. in box

**Column (e)**  
"Weight of Each Item (lbs)"

# DD Form 1750 Packing List (Cont)

BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	QUANTITIES REQUIRED		
			<del>INITIAL OPERATION</del> (d)	<del>RUNNING SPARES</del> (e)	<del>TOTAL</del> (f)
			Packs No in box	Weight of Each Item (lbs)	Total Weight (lbs)
		Ea	2	54	108
			(entry for chairs)		
		Ea	1	100	100
			(entry for desk)		
		NA	NA		150
			(entry for crate [BBPCT])		
			<b>TOTAL</b>		<b>358</b>

Figure the total weight of this line and place in Column (f)

At the bottom of Column (f), draw a line and indicate the total weight of all listed items (ensure you include the weight of BBPCT materials used)

# DD Form 1750

## Packing List (Cont)

BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	QUANTITIES REQUIRED		
			<del>INITIAL OPERATION (d)</del>	<del>RUNNING SPARES (e)</del>	<del>TOTAL (f)</del>
	<p><b>Must add statement:</b></p> <p>“This box (container) does (does not) contain hazardous material IAW 49 CFR ”</p>		Packs No in box	Weight of Each Item (lbs)	Total Weight (lbs)

# DD Form 1750 Packing List (Cont)

6. THIS CERTIFIES THAT THE ITEMS LISTED HEREON ARE WITHIN THE SPECIFIED BOXES					
TYPED NAME AND TITLE <b>Steve Irwin, 2LT, Unit Mvt Officer</b>			SIGNATURE <b>Steve Croc Hunter Irwin</b>		
DD Form 1750, SEP 70 (EG)			DD Form 1750, SEP 70 (EG)		

Block 6: Name and title (normally  
primary or alternate UMO)

Block 7: Signature

# **DA Form 5748-R**

## **Shipment Unit Packing List and Load Diagram**

# DA Form 5748-R

- Can be used as a substitute for:  
FORSCOM Form 285-R or  
DD Form 1750
- Basically the combination of these  
two forms

# DA Form 5748-R (Cont)

SHIPMENT UNIT PACKING LIST AND LOAD DIAGRAM For use of this form, see FM 55-65; the proponent agency is TRADOC			PAGE  OF
1. DEPLOYING UNIT	2. UIC OR BUMPER NO.	3. TCN OR SEAL NUMBER	
4. SHIPMENT UNIT DESCRIPTION		5. DATE PACKED	
6. LENGTH	7. WIDTH	8. HEIGHT	12. LOCATION OF CG
9. CUBE	10. EMPTY WEIGHT	11. LOADED WEIGHT	

## 13. PACKING LIST

CARGO LOC. NO. <i>a</i>	CONTENTS (Description and Nomenclature) <i>b</i>	TYPE PKG. <i>c</i>	PKG. QTY. <i>d</i>	PKG. WEIGHT. <i>e</i>	TOTAL PKG. WEIGHT. <i>f</i>

# DA Form 5748-R (Cont)

<b>14. CERTIFICATION.</b> <i>This certifies that items listed hereon are contained within the specified packages.</i>					
a. TYPED NAME		b. GRADE	c. TITLE		
d. SIGNATURE				e. DATE	
DA FORM 5748-R, MAR 89					
USAPPCV 1.00					

# DA Form 5748-R (Cont)

SHIPMENT UNIT PACKING LIST AND LOAD DIAGRAM For use of this form, see FM 55-65; the proponent agency is TRADOC			PAGE _____ OF _____
1. DEPLOYING UNIT <b>A Co. 1-10 IN WABCAB</b>		2. UIC OR BUMPER NO. <b>A-41</b>	3. TCN OR SEAL NUMBER <b>AWAF6A1\$0D00010XX</b>
4. SHIPMENT UNIT DESCRIPTION		5. DATE PACKED	
6. LENGTH	7. WIDTH	8. HEIGHT	12. LOCATION OF CG

Block 1: Deploying Unit  
(Designation and UIC)

Block 2: Bumper Number/Container  
Identification Number

Block 3: TCN or Container Seal  
Number

# DA Form 5748-R (Cont)

SHIPMENT UNIT PACKING LIST AND LOAD DIAGRAM For use of this form, see FM 55-65; the proponent agency is STRADOC			PAGE <b>1</b> OF <b>1</b>
1. DEPLOYING UNIT <b>A Co. 1-10 IN WABCAB</b>		2. LIC OR BUMPER NO. <b>A-41</b>	3. TCN OR SEAL NUMBER <b>77</b>
4. SHIPMENT UNIT DESCRIPTION <b>M923A2, TRK, CGO 5TON X40794 33,</b>			5. DATE PACKED <b>2002/11/30</b>
6. LENGTH	7. WIDTH	8. HEIGHT	12. LOCATION OF CG

Block 4: Shipment  
Description  
(model, nomenclature and  
LIN/LIN Index)

Block 5: Date Packed  
(YYYY/MM/DD)

Note: use  
this block for  
continuation  
pages

# DA Form 5748-R

(Cont)

Blocks 6 to 12 relate to the vehicle/container

Block 7:

Block 8:

Block 6:

Length

Width

Height

6. LENGTH <b>312</b>	7. WIDTH <b>116</b>	8. HEIGHT <b>121</b>	12. LOCATION OF CG <b>132 from FFE</b>		
9. CUBE <b>2535</b>	10. EMPTY WEIGHT <b>20930</b>	11. LOADED WEIGHT <b>27904</b>			
13. PACKING LIST					
CARGO	CONTENT	TYPE	PKG.	PKG.	TOTAL PKG.

Block 9:

Cube

Block 10: Empty Weight

Block 11: Loaded Weight

Block 12:  
Location of CG

# DA Form 5748-R

(Cont)

Blocks 13 relates to the cargo (Packing List)

13. PACKING LIST					
CARGO LOC. NO. a	CONTENTS (Description and Nomenclature) b	TYPE PKG. c	PKG. QTY. d	PKG. WEIGHT. e	TOTAL PKG. WEIGHT. f
1	POL - 55 Gal Drum	Drum			

Column a:  
Cargo  
Location  
Number

Column b:  
Contents  
(Description &  
Nomenclature  
)

Column c:  
Type Package

# DA Form 5748-R (Cont)

CARGO LOC. NO. <i>a</i>	CONTENTS (Description and Nomenclature) <i>b</i>	TYPE PKG. <i>c</i>	PKG. QTY. <i>d</i>	PKG. WEIGHT. <i>e</i>	TOTAL PKG. WEIGHT. <i>f</i>
1	POL - 55 Gal Drum	Drum	3	380	1140

Column d: Package Quantity

Column e: Package Weight (each)

Column f: Total Package Weight

# DA Form 5748-R (Cont)

CARGO LOC. NO. <i>a</i>	CONTENTS (Description and Nomenclature) <i>b</i>	TYPE PKG. <i>c</i>	PKG. QTY. <i>d</i>	PKG. WEIGHT. <i>e</i>	TOTAL PKG. WEIGHT. <i>f</i>
<b>1</b>	<b>POL - 55 Gal Drum</b>	<b>Drum</b>	<b>3</b>	<b>38 0</b>	<b>114 0</b>
<b>BBPCT</b>	<p>Indicate BBPCT materials used and their weight at the bottom of block 13</p> <p>120 ft 4 X 4 100 ft 2 x 4 7 lb 2 x 4 4 CGU-1 CGO Straps</p>				<b>250</b>

# DA Form 5748-R (Cont)

Block 14: *"Certification: This certifies that items listed herein are contained within the specified*

Blocks a-c: *packages"*  
Typed Name / Grade /  
Title

The diagram shows a yellow DA Form 5748-R with several red arrows pointing to specific fields. A vertical arrow points to the '14 CERTIFICATION' header. Three diagonal arrows point to the 'a TYPED NAME', 'b GRADE', and 'c TITLE' fields. A fourth diagonal arrow points to the 'e DATE' field. The form contains the following text:

<b>14 CERTIFICATION</b> This certifies that items listed herein are contained within the specified packages.			
a TYPED NAME <b>Russell 'The Gladiator' Crowe</b>		b GRADE	c TITLE <b>Unit Movement Officer</b>
d SIGNATURE		e DATE <b>2002/11/30</b>	
DA FORM 5748-R, MAR 89		USAPPOV1.00	

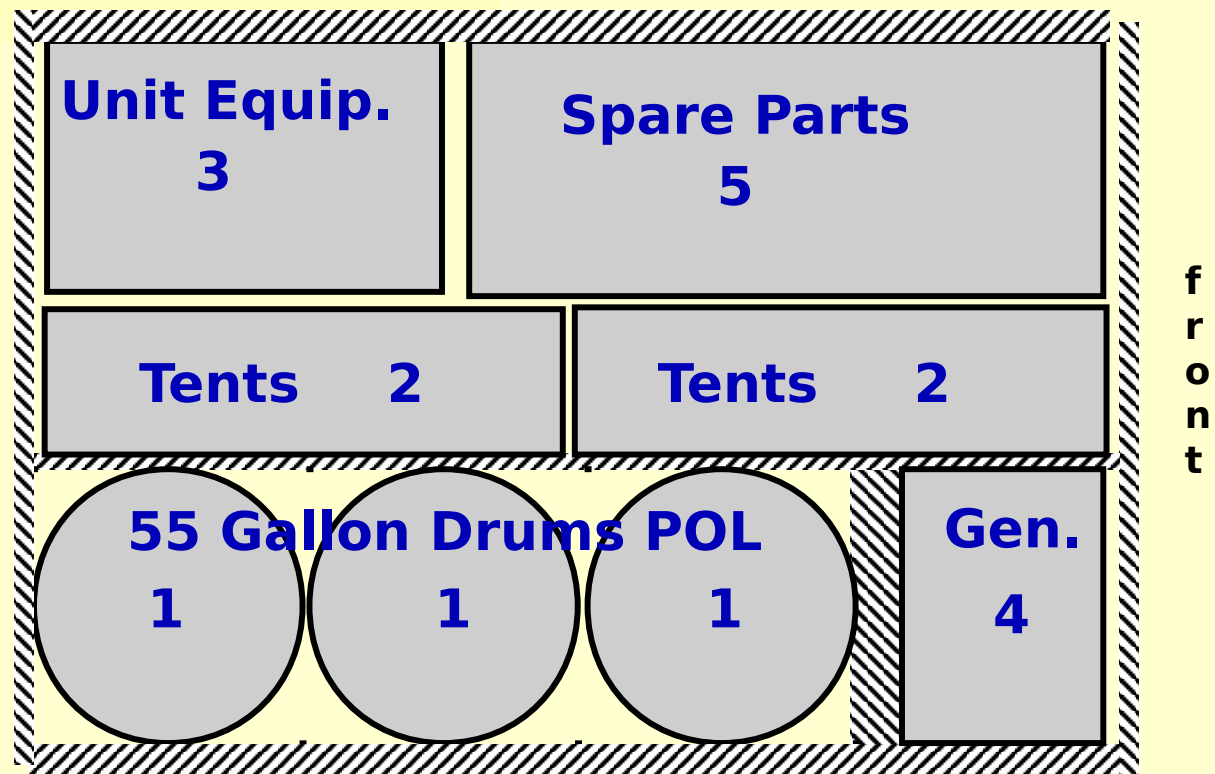
Block d: *Signature* Block e: *Date (YYYY/MM/DD)*

# DA Form 5748-R

## Reverse

15. LOAD DIAGRAM (Sketch cargo storage in space below)

Block 15:  
Load Diagram  
(Sketch cargo  
storage  
location)



# DA Form 5748-R

## Reverse (Cont)

### 16. REMARKS

**Tents are banded to warehouse pallet in two groups at location 2**

**Block 16:**

**Remark  
S**

**REVERSE OF DA FORM 5748-R, MAR 89**

# Documentation

## Requirements

- **All vehicles (containing secondary cargo), containers, 463E pallets, and crates must display a separate DD Form 1750/DA Form 5748-R (Packing List) showing its complete contents**
- Items that are not transported in a container/crate - such as banded shovels, do not require a packing list. However, these items must be listed on the load diagram if they are loaded on a truck or in a container
- A packing list is not required for a container that already has a contents list - such as a toolbox
- Do not list classified material on packing lists

# Documentation Requirements (Cont)

- Packing Lists (qty x 5) are distributed as follows:
  1. Filed in the unit movement plan
  2. Placed on the outside of the shipment unit where it is easily visible/accessible (placed inside a clear plastic sleeve for weatherproofing)
  3. Placed inside the shipment unit (includes sensitive item serial numbers)
  4. Prepared for the unit's representative (liaison team or supercargo)
  5. Retained by the hand receipt holder

# Sensitive Items Packing List (Inside Container List)

**Sensitive items listed individually by serial number**

BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	QUANTITIES REQUIRED		
			<del>INITIAL OPERATION</del> (d)	<del>RUNNING SPARES</del> (e)	<del>TOTAL</del> (f)
<b>1</b>	<b>NSN 8315-06-123-456 NVG ANPVS 7b Serial Numbers: B1234, B1235, B2345, B3456</b>	<b>EA</b>	<b>Packs No in box 4</b>	<b>Weight of Each Item (lbs) 2</b>	<b>Total Weight (lbs) 8</b>
<b>2</b>	<b>Paper, Toilet</b>	<b>BX</b>	<b>4</b>	<b>3</b>	<b>1 2</b>
<b>3</b>	<b>Fluid, Correction</b>	<b>BX</b>	<b>1</b>	<b>2</b>	<b>2</b>

**Never** place this packing list on the outside of a container. The Sensitive Items Packing List is only placed on the inside of a container

# Sensitive Items Packing List (Outside Container List)

BOX NO. (a)	CONTENTS - STOCK NUMBER AND NOMENCLATURE (b)	UNIT OF ISSUE (c)	QUANTITIES REQUIRED		
			<del>INITIAL OPERATION (d)</del>	<del>RUNNING SPARES (e)</del>	<del>TOTAL (f)</del>
			<b>Packs No in box</b>	<b>Weight of Each Item (lbs)</b>	<b>Total Weight (lbs)</b>
<b>Note: No sensitive items listed</b>					
<b>1</b>	<b>Paper, Toilet</b>	<b>BX</b>	<b>4</b>	<b>3</b>	<b>12</b>
<b>2</b>	<b>Fluid, Correction</b>	<b>BX</b>	<b>1</b>	<b>2</b>	<b>2</b>




**Always** place a DD Form 1750 on the outside of your container that **does not** list the sensitive items

**DD Form 1387**

**Military Shipment  
Label**

# DD Form 1387

## Military Shipment Label

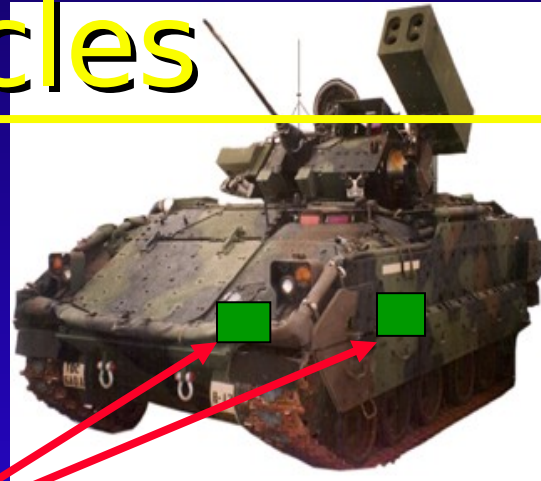
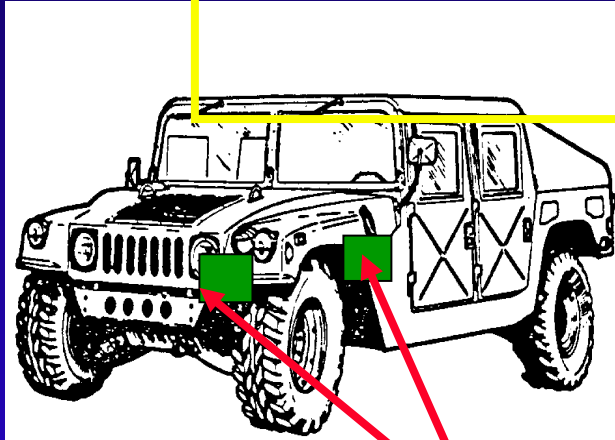
<b>1 TRANSPORTATION CONTROL NUMBER</b>  <b>W26DDJ54320111XXX</b>		<b>2 POSTAGE DATA</b>	
<b>3 FROM</b> W45QFS FT STOCKTON ATTN: ANGL-TR-SH ATTN: ANGL-R-SH FT STOCKTON TX 76789-5000		<b>4 TYPE SERVICE</b>	
<b>5. SHIP TO / POE</b> FT EUSTIS ATTN: ATZF-NT FT EUSTIS NEWPORT NEWS VA 23604-5300		<b>6 TRANSP PRIORITY</b>	
<b>7 POD</b>		<b>8 PROJECT</b> KNK	
<b>9 ULTIMATE CONSIGNEE OR MARK FOR</b>  <b>W26DDJ</b> FT EUSTIS ATTN: ATZF-NT FT EUSTIS NEWPORT NEWS VA 23604-5300		<b>10 WT THIS PC</b> 10	<b>11 RDD</b> 12/19/98
		<b>12 CU THIS PC</b> 8	<b>13 CHARGES</b> 784.99
		<b>14 DATE</b> 12/19/98	<b>15 FMS CASE</b>
		<b>16 PIECE NO.</b>  <b>9</b>	
		<b>17 TOTAL PIECES</b> of 10	

FORM APPROVED OMB NO 0704-0188

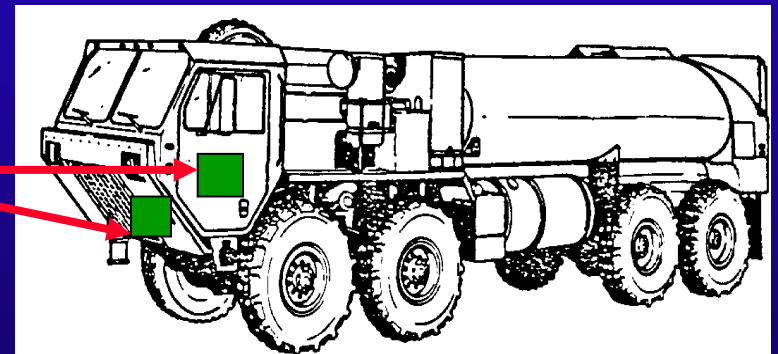
# MSL Guidelines

- Weigh and measure the dimensions of vehicles/containers and **update DEL/UDL prior to printing MSLs** - information shown on the MSLs must be accurate
- Ensure MSLs can be **easily found** (so that they can be scanned at transit locations)
- Do not mark the barcode for any reason - it will make it unreadable (if the label must be physically marked to show it has been scanned - mark somewhere other than the barcode)
- If the **load of a vehicle/container is changed a new MSL** must be produced
- When attaching MSLs, ensure the surface area where the label will be attached is clean and dry - this allows the adhesive on the label to stick
- **Remove MSLs once the deployment is complete**

# MSL Placement - Vehicles



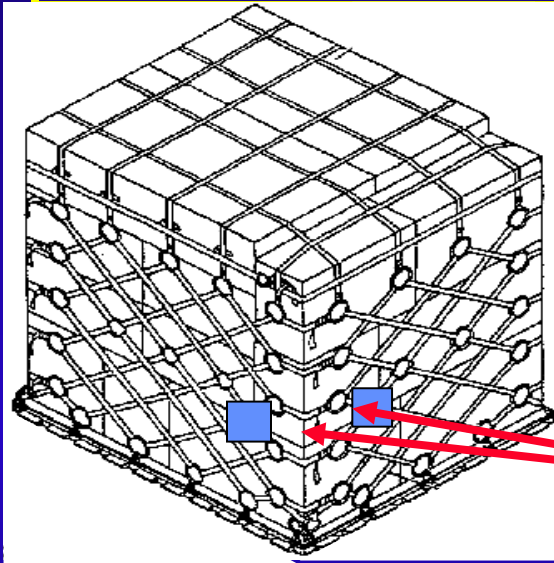
1. TRANSPORTATION CONTROL NUMBER  <b>AWCPPAA\$0D00010XX</b>		2. POSTAGE DATA	
3. FROM JF1 WAAF ULN: T1LVD19		4. TYPE SERVICE	
5. SHIP TO PN2 Camp Doha /JF1		6. TRANSP. PRIORITY <b>3</b>	
7. POD PN2		9. PROJECT	
9. ULTIMATE CONSIGNEE OR MARK FOR UIC		10. WT THIS PC 5280	11. RDD
		12. CU THIS PC 769	13. CHARGES
		14. DATE 20021017	15. FMS CASE
Bumper Number : 635-3 Serial Number : 068784 Model Number : M998 Desc : TRK UTIL CRG/TRP CARR L: 187 W: 96 H: 74		16. PIECE NO.  <b>1</b>	
		17. TOTAL PIECES 1	



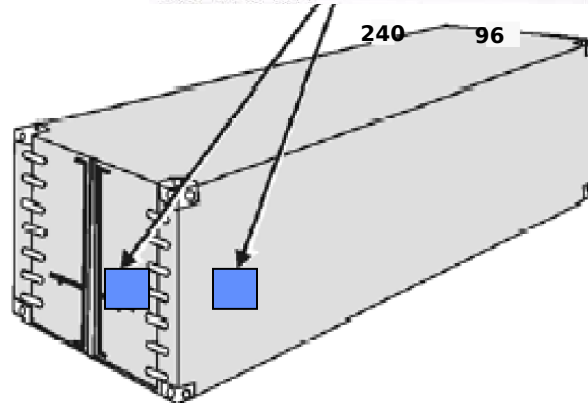
Attach MSLs to left front bumper (driver's side) and left side door (driver's side)

# MSL Placement - Pallets/Containers

Place MSLs on one end and on the adjacent side at the same end of a pallet, and for containers, attach MSLs to the right side door and to the right side of the container as you look at the door



1. TRANSPORTATION CONTROL NUMBER AWCPPAA\$0D00010XX		2. POSTAGE DATA	
3. FROM JF1 WAAF ULN: T1LVD19		4. TYPE SERVICE	
5. SHIP TO PN2 Camp Doha / JF1 / POE		6. TRANSP. PRIORITY <b>3</b>	
7. POD PN2		9. PROJECT	
9. ULTIMATE CONSIGNEE OR MARK FOR UIC		10. WT THIS PC 5280	11. RDD
		12. CU THIS PC 769	13. CHARGES
		14. DATE 20021017	15. FMS CASE
Bumper Number : 635-3 Serial Number : 068784 Model Number : M998 Desc : TRK UTIL CRG/TRP CARR L: 187 W: 96 H: 74		16. PIECE NO.  1	
		17. TOTAL PIECES 1	



# DESTINATION PLACARD

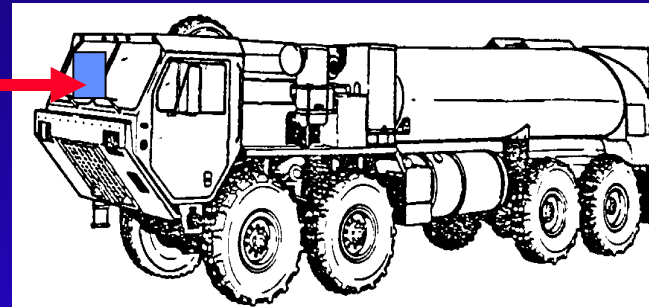
Print on 8.5 x 11 inch paper and place in a clear sealed plastic bag.

Unit: 118<sup>th</sup> INF BN, 2nd BDE, 1ID

UIC: WTA377

ULN: CDAAP30

Destination: Kosovo (Camp Bondsteel)

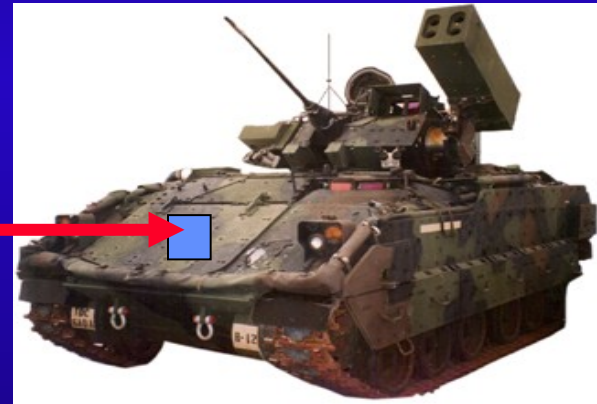


Unit: A Co., 1-36 INF BN, 1<sup>st</sup> BDE, 1AD

UIC: WAE3A0

ULN: EDAAP15

Destination: Kuwait (Camp Doha)



Unit: A Co., 1-36 INF BN, 1<sup>st</sup> BDE, 1AD

UIC: WAE3A0

ULN: EDAAC15

Destination: Kuwait (Camp

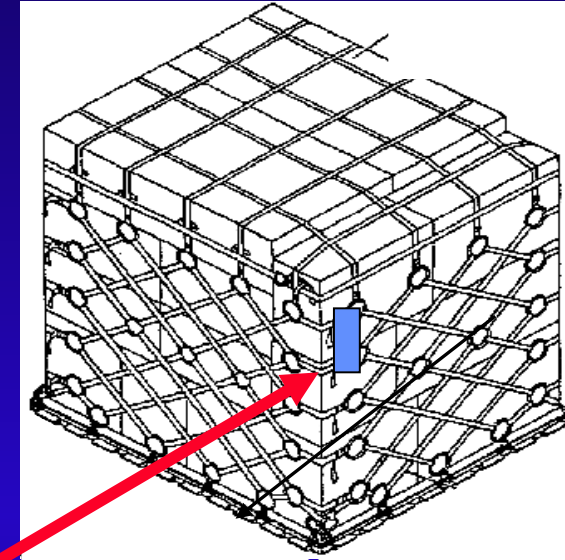
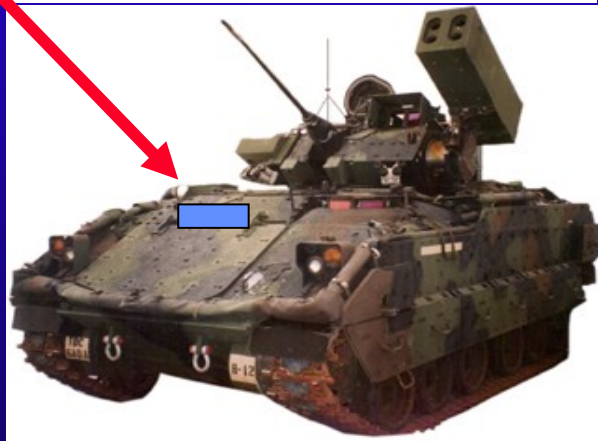
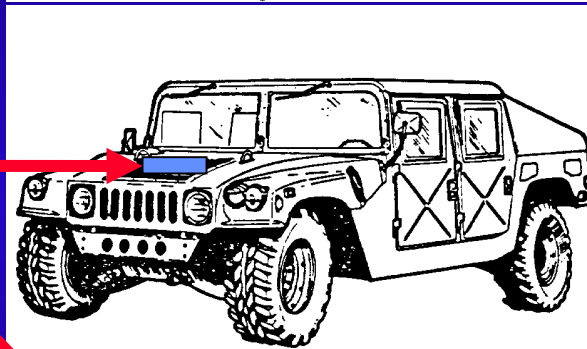
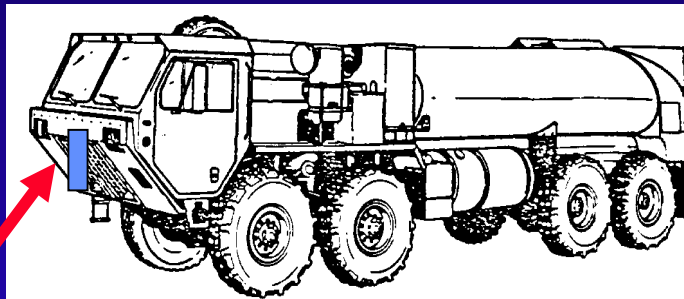


# Radio Frequency Tags

## Guidelines

- If Radio Frequency Identification (RFID) tags are being used - the required information must be **entered before departing your home station**
- RFID Tags are mounted (using two long nylon strips - more durable than plastic straps) as follows:
  - Vehicles: Attached to the top of the radiator grill (wheeled vehicles)/front of the vehicle (tracked vehicles)
  - Containers: Attached to the locking bar located on the door near the upper right-hand corner - you may also use zip ties to attach the RFID tag to containers (do not drills holes in containers to mount the tags)
  - 463L Pallets: Placed adjacent to the MSL
- Tie down both the top and the bottom of the tag so that it will not bounce and be damaged during shipment
- Note that the data on the RFID tag must be updated if the contents of the vehicle or container are changed

# RFID Tag Placement



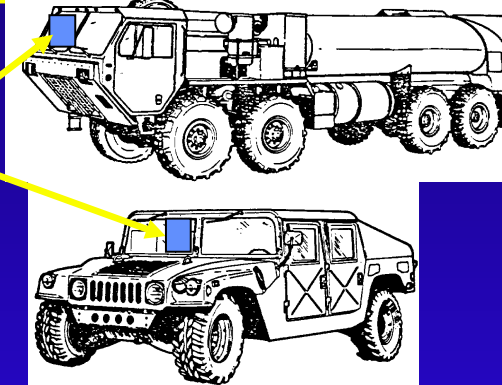
ZIP-TIE TO  
LOCKING BAR;  
UPPER-RIGHT  
HAND CORNER  
ON THE DOOR



# Shipping Documents Stowage Location

## Wheeled Vehicles:

Seal all documents in a clear zip-lock plastic bag and place inside the vehicle on the passenger side's windscreen.



Tracked Vehicles: Seal all documents in a clear zip-lock plastic bag and tape to the outside front driver's side.



Containers: Seal all documents in a clear zip-lock plastic bag and tape to the outside of the door.



# Summary

- Forms:
  - FORSCOM Form 285-R, Vehicle Load Card
  - DD Form 1750, Packing List
  - DA Form 5748-R, Shipment Unit Packing List and Load Diagram
  - DD Form 1387 - Military Shipment Label
  - Destination Placard
  - Radio Frequency Identification Tags
  - Shippers Declaration of Dangerous Goods
  - DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials)
  - DD Form 836, Dangerous Goods Shipping Paper / Declaration and Emergency Response Information



On  
Learnin  
g



# On Learnin g

Question 1: Where can you find guidance on filling out FORSCOM Form 285-R?

Answer 1: FORSCOM/ARNG Regulation 55-1.



# On Learnin g

Question 2: What is the purpose of DD Form 1750?

Answer 2: The DD Form 1750 is used to document the contents of packages, boxes, pallets or any other container that consists of multiple cargo items.



# On Learnin g

Question 3: DA Form 5748-R can be used as an authorized substitute for what other forms?

Answer 3: FORSCOM Form 285-R and DD Form 1750



# On Learnin g

Question 4: Load cards are not just used to document loads. What else can they be used for?

Answer 4: They are also used to check for lost or damaged cargo at terminals or to find a particular piece of cargo.

A wooden-framed chalkboard with a black surface. The text "Let's Review" is written in a bold, yellow, sans-serif font, centered on the board. The frame is made of light brown wood with a visible grain. The background is a solid blue color.

Let's  
Review



On  
Review



## On Review

Question 1: What should you check to ensure that secondary loads in the back of a unit vehicle are correctly prepared for movement?

Answer 1: Make sure the items are properly loaded, blocked and braced, protected from the elements and properly lashed to the vehicle.



## On Review

Question 2: Where can you find the axle weight capacity of a vehicle?

Answer 2: The vehicle data plate lists each axle weight carrying capacity.



## On Review

Question 3: What is the most important aspect of shipping classified material?

Answer 3: You must never indicate that there is classified material on the outside of a package or shipping container



## On Review

Question 4: What form can be used as both a vehicle load form and a packing list form?

Answer 4: DA Form 5748-R, Shipment Unit Packing List and Load Diagram.

# *QUESTIONS*

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